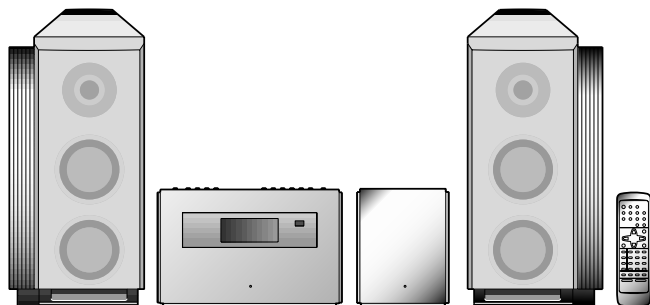


SHARP SERVICE MANUAL

No. S3119SDNX10W/



1-BIT DIGITAL AUDIO SYSTEM

MODEL SD-NX10W

SD-NX10W 1-bit Digital Audio System consisting of SD-NX10W (MD/CD/TUNER unit), SD-NX10W (amplifier unit) and CP-NX10W (speaker system).



• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

The power of this unit is supplied from the amplifying unit via the system connection cable. It does not operate by itself.

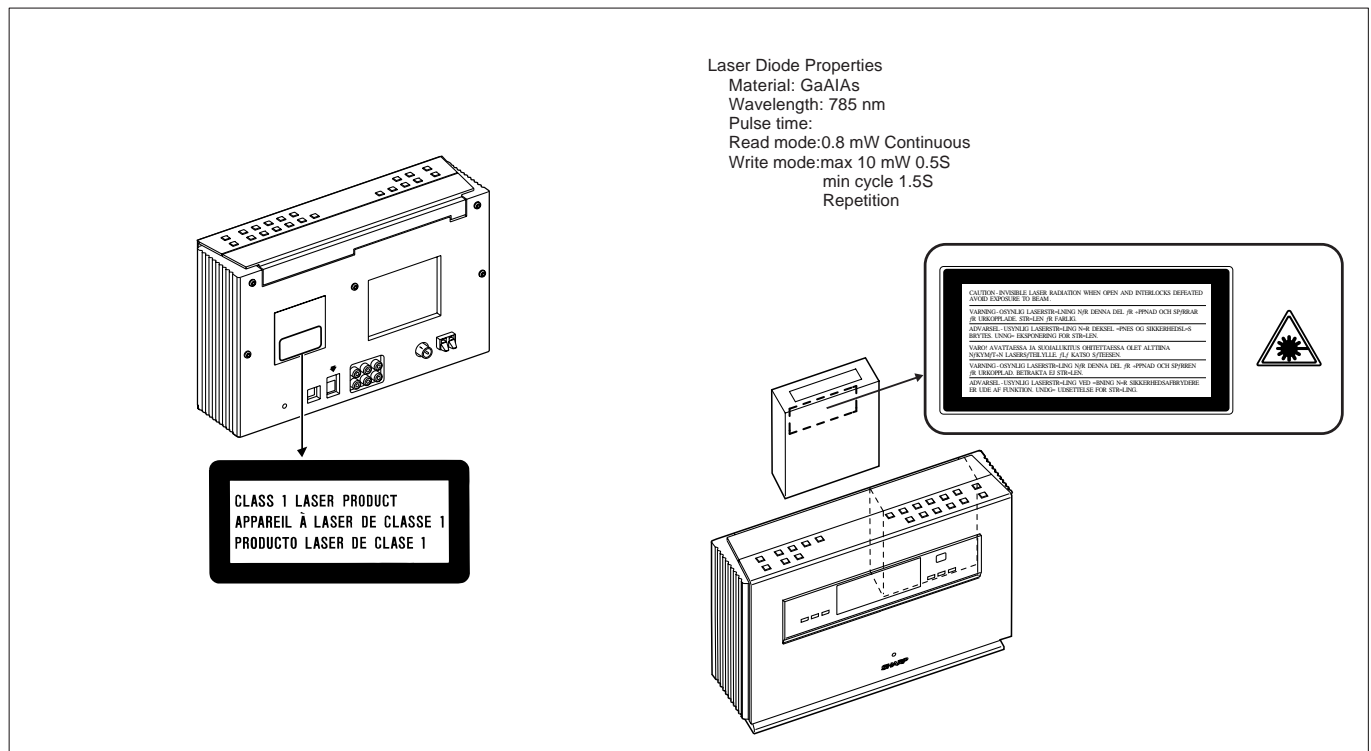
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SAFETY PRECAUTION FOR SERVICE MANUAL

The AEL (ACCESSIBLE EMISSION LEVEL) of the laser power output is less than class 1 but the laser component is capable of emitting radiation exceeding the limit for class 1. Therefore it is important that the following precautions are observed during servicing to protect your eyes against exposure to the laser beam.

- (1) When the unit case cover is removed and LOADING SW (SW1932) is turned on and then PLAY SW (SW1934 mechanism PWB) is turned on in a few second.
The laser will light for several second to detect a disk.
- (2) The laser power output of the pickup unit and replacement service parts are all factory preset before shipment.
Do not attempt to readjust the laser pickup unit during replacement or servicing.
- (3) Under no circumstances stare into the pickup lens at any time.
- (4) If laser optical unit becomes faulty, replace the complete laser optical unit.
- (5) CAUTION-USE of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.



Precaution to be taken when replacing and servicing the laser pickup.

The following precautions must be observed during servicing to protect your eyes against exposure to the laser.

Warning of possible eye damage when repairing:

If the AC power plug is connected when the inner cover of the unit is removed, the laser will light up during focus access (about 1 second) (Fig. 2-1).

During this operation, the laser will leak from the opening between the magnetic head and cartridge holder (Fig. 2-2).

In order to protect your eyes, you must not look at the laser during repair.

Before repairing, be sure to disconnect the AC power plug.

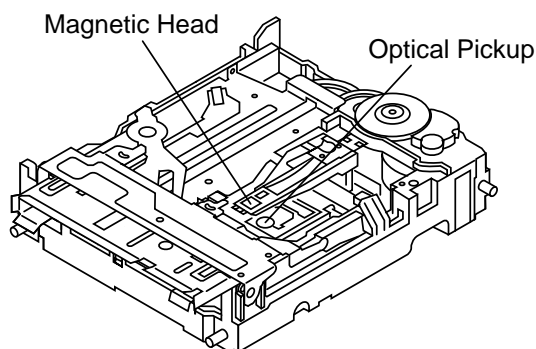


Figure 2-1

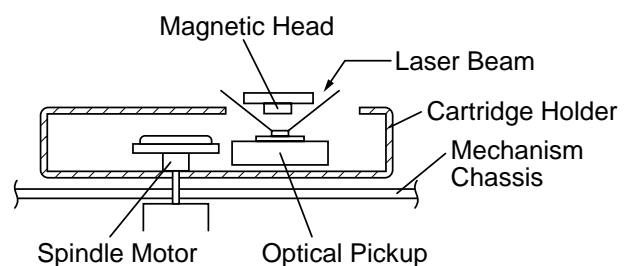


Figure 2-2

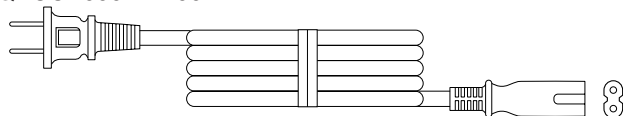
VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows.

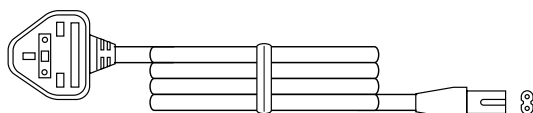
Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110 V, 127 V, 220 V or 230-240 V AC).

AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

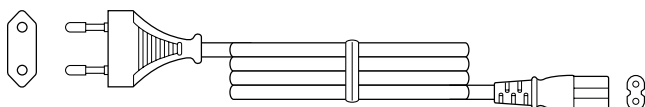
QACCA0004AW00



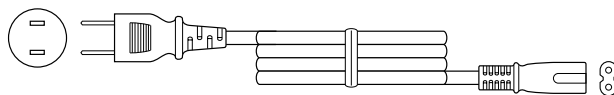
QACCB0008AW00



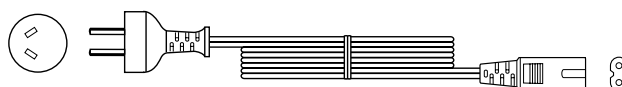
QACCE0007AW00



QACCJ0006AW00



QACCL0002AW00



QPLGA0004AWZZ



FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

SD-NX10W

General

Power source	AC 110/127/220/230-240 V, 50/60 Hz
Power consumption	54 W
Dimensions	MD/CD/tuner unit Width: 318 mm (12-9/16") Height: 210 mm (8-5/16") Depth: 93 mm (3-11/16") Amplifier unit Width: 160 mm (6-5/16") Height: 210 mm (8-5/16") Depth: 136 mm (5-3/8")
Weight	MD/CD/tuner unit 3.7 kg (8.2 lbs.) Amplifier unit 3.8 kg (8.4 lbs.)
Input/output terminals	MD/CD/tuner unit Auxiliary input: 500 mV/47 kohms Digital input (optical) System output (RCA) Line output: 500 mV/47 kohms Headphones: 16 - 50 ohms (recommended: 32 ohms) System control (SD-NX10W amplifier unit only) Amplifier unit System input (RCA) Speakers: 6 ohms System control (SD-NX10W MD/CD/tuner unit only)

Amplifier

Amplification system	64fs 1-bit switching (Remarks: fs = 44.1 kHz)
Rated output power	RMS: 50 W (25 W + 25 W) (10% T.H.D.)
A/D noise shaping	7th-order $\Delta\Sigma$ (delta - sigma) modulation

CD player

Type	1-disc slot-in type compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

MiniDisc

Type	MiniDisc Recorder
Signal readout	Non-contact, 3-beam semiconductor laser pickup
Rotation speed	400 - 900 rpm CLV, Approx.
Error correction	ACIRC (Advanced Cross Interleave Reed-Solomon Code)
Quantization	20-bit linear (A/D converter)
Coding	ATRAC (Adaptive Transform Acoustic Coding), ATRAC3
Sampling frequency	44.1 kHz
Recording method	Magnetic modulation overwrite method
Frequency response	20 - 20,000 Hz
D/A converter	1-bit D/A converter
Wow and flutter	Unmeasurable (less than 0.001% W. peak)
Signal/noise ratio	95 dB (1 kHz)
Dynamic range	90 dB (1 kHz)
Audio channel	Stereo: 2 channels (SP, LP2, LP4) Monaural: 1 channel (MONO)

Tuner

Frequency range	FM: 88 - 108 MHz AM: 531 - 1,602 kHz
------------------------	---

CP-NX10W

Type	2-way type speaker system 3 cm (1-3/16") Tweeter 10 cm (4") Woofer
Maximum input power	50 W
Rated input power	25 W
Impedance	6 ohms
Dimensions	Width: 187 mm (7-3/8") Height: 423 mm (16-11/16") Depth: 200 mm (7-7/8")
Weight	3.7 kg (8.2 lbs.)/each

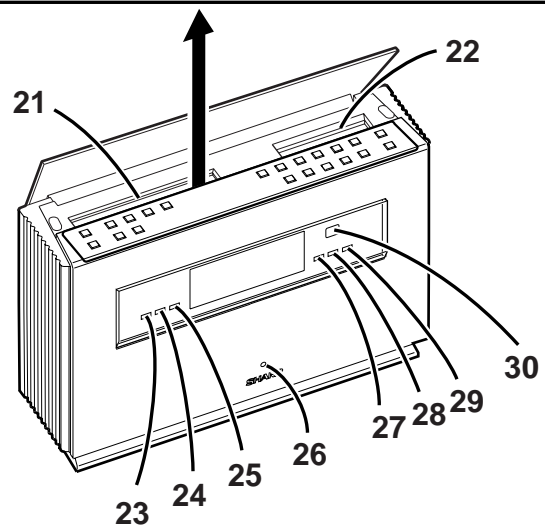
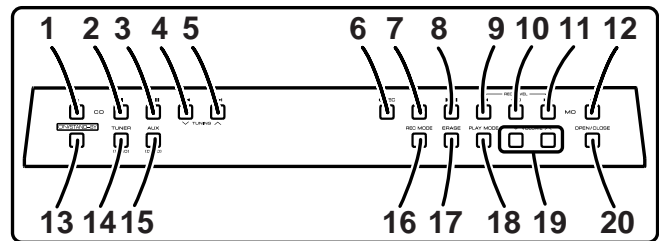
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

SD-NX10W

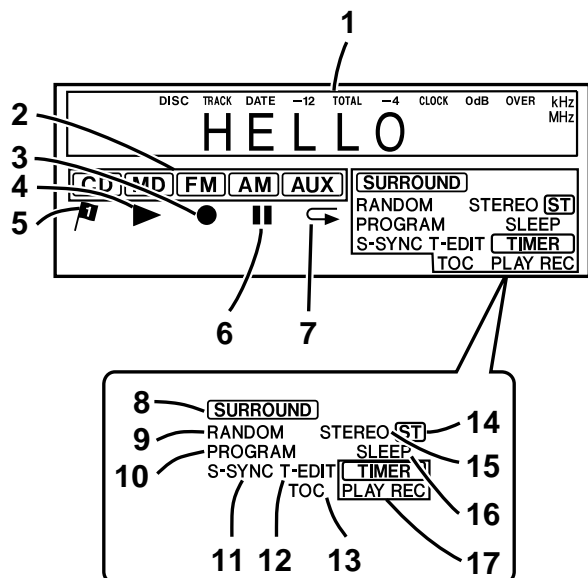
MD/CD/tuner unit front panel

1. CD Eject Button
2. CD Stop Button
3. CD Play/Pause Button
4. CD Fast Reverse/Tuning Down Button
5. CD Fast Forward/Tuning Up Button
6. MD Record Button
7. MD Stop Button
8. MD Play/Pause Button
9. MD Recording Level/MD Fast Reverse Button
10. MD +10 Track Up Button
11. MD Recording Level/MD Fast Forward Button
12. MD Eject Button
13. On/Stand-by Button
14. Tuner (Band) Button
15. Auxiliary/Demo Button
16. MD Record Mode Button
17. Erase Button
18. CD/MD Play Mode Select Button
19. Volume Up or Down Buttons
20. CD/MD Cover Open/Close Button
21. CD Compartment
22. MD Compartment
23. Timer Indicator
24. Sleep Indicator
25. Monaural Recording Indicator
26. Power Indicator
27. Stereo Recording Indicator
28. 2 times Long Recording (stereo) Indicator
29. 4 times Long Recording (stereo) Indicator
30. Remote Sensor



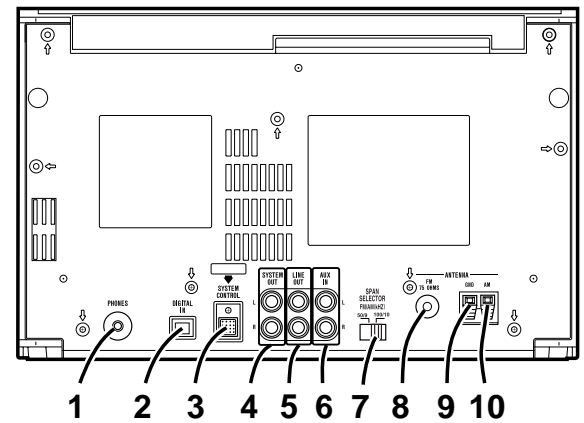
Multi-function LCD display

1. Level Meter/Character Information/Frequency Indicator
2. Function Indicator
3. Record Indicator
4. CD/MD Play Indicator
5. Top Position Indicator
6. MD Record Pause Indicator
7. CD/MD Repeat Indicator
8. Surround Indicator
9. Random Play Indicator
10. Programme Play Indicator
11. Sound Synchronised Recording Indicator
12. Track Edit Indicator
13. TOC Indicator
14. FM Stereo Indicator
15. FM Stereo Mode Indicator
16. Sleep Indicator
17. Timer Play/Recording Indicator



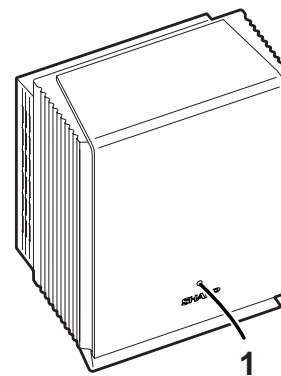
■ MD/CD/tuner unit rear panel

1. Headphone Socket
2. Digital Input Socket
3. System Control Socket
4. System Output Sockets
5. Line Output Sockets
6. Auxiliary Input Sockets
7. Span Selector Switch
8. FM 75 Ohms Aerial Socket
9. Aerial Earth Terminal
10. AM Loop Aerial Terminal



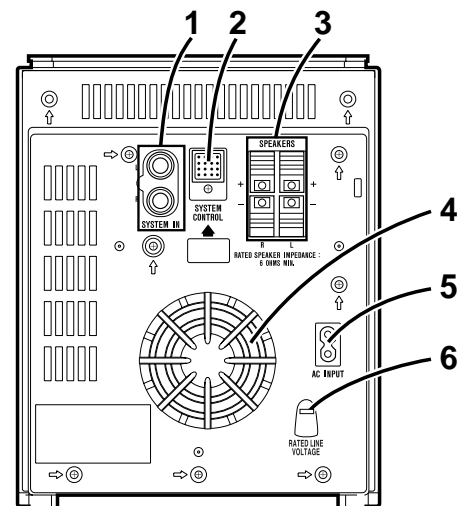
■ Amplifier unit front panel

1. Power Indicator



■ Amplifier unit rear panel

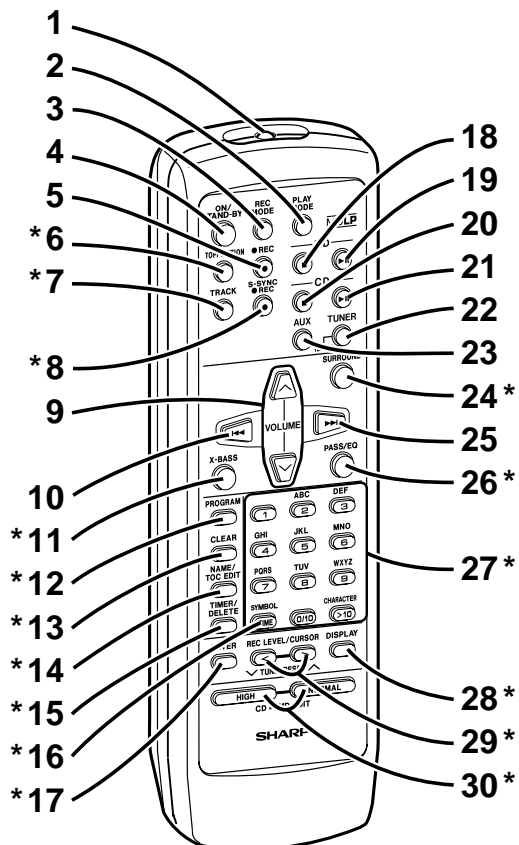
1. System Input Sockets
2. System Control Socket
3. Speaker Terminals
4. Cooling Fan
5. AC Input Socket
6. AC Voltage Selector



SD-NX10W

■ Remote control

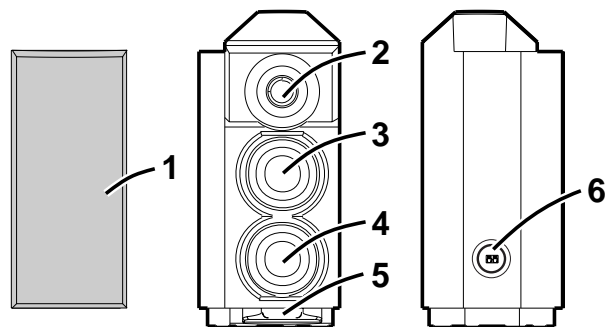
1. Remote Control Transmitter
2. CD/MD Play Mode Select Button
3. MD Record Mode Button
4. On/Stand-by Button
5. MD Record Button
6. Top Position Button
7. Track Edit Button
8. Sound Synchronise Record Button
9. Volume Up or Down Buttons
10. CD/MD Fast Reverse, Tuning Down Button
11. Extra Bass Button
12. CD/MD Programme Button
13. Clear Button
14. Name/TOC-Edit Button
15. Timer/Delete Button
16. Time Button
17. Enter Button
18. MD Stop Button
19. MD Play/Pause Button
20. CD Stop Button
21. CD Play/Pause Button
22. Tuner (Band) Button
23. Auxiliary Input Button
24. Surround Button
25. CD/MD Fast Forward, Tuning Up Button
26. Preset Equalizer Button
27. Character Input/CD, MD, Tuner Direct Buttons
28. Display Button
29. Recording Level/Cursor/Tuner Preset Buttons
30. CD/MD Edit Buttons



Buttons with "*" mark in the illustration can be operated on the remote control only. Other buttons can be operated both on the main unit and the remote control.

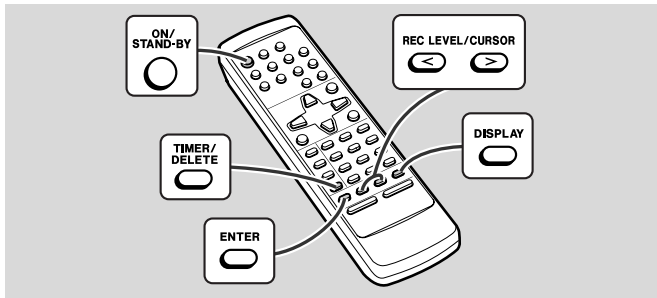
CP-NX10W

1. Speaker Grille
2. Tweeter
3. Woofer
4. Woofer
5. Bass Reflex Duct
6. Speaker Terminals



OPERATION MANUAL

Setting the Clock



In this example, the clock is set for 9:30 15. 02 '01 .

1	Press the ON/STAND-BY button to turn the power on.
2	Press the TIMER/DELETE button.
3	Within 10 seconds, press the REC LEVEL/CURSOR < or > button to select the "TIME ADJUST".
	TIME ADJUST
4	Within 10 seconds, press the ENTER button.
5	Press the REC LEVEL/CURSOR < or > button to adjust the year, and then press the ENTER button.
	01 . 01 ' 01
6	Press the REC LEVEL/CURSOR < or > button to adjust the month, and then press the ENTER button.
	01 . 02 ' 01

7 Press the REC LEVEL/CURSOR < or > button to adjust the date, and then press the ENTER button.

15 . 02 ' 01

8 Press the REC LEVEL/CURSOR < or > button to adjust the hour, and then press the ENTER button.

9 : 00

9 Press the REC LEVEL/CURSOR < or > button to adjust the minutes, and then press the ENTER button.

9 : 30

The hour will not advance even if minutes advance from "59" to "00".

The clock starts from "0" second. (Seconds are not displayed.) The time display will disappear after a few seconds.

To confirm the time display:

[When the unit is in the stand-by mode]

Press the DISPLAY button on the remote control.

The time display will appear for about 5 seconds.

[When the power is on]

Press the TIMER/DELETE button.

Within 10 seconds, press the REC LEVEL/CURSOR < or > button.

The time display will appear for about 10 seconds.

Note:

The clock setting will be cleared when the unit is unplugged or the power failure occurs.

To reset the clock:

Perform "Setting the Clock" from the beginning.

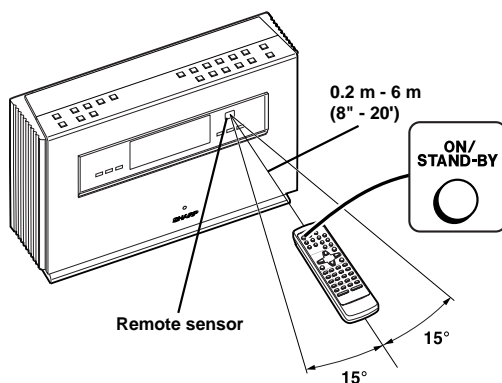
Remote Control

■ Test of the remote control

Check the remote control after checking all connections have been made correctly. Face the remote control directly to the remote sensor on the unit.

The remote control can be used within the range shown below:

Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



Notes concerning use:

Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar). Periodically clean the transmitter on the remote control and the sensor on the stereo system with a soft cloth.

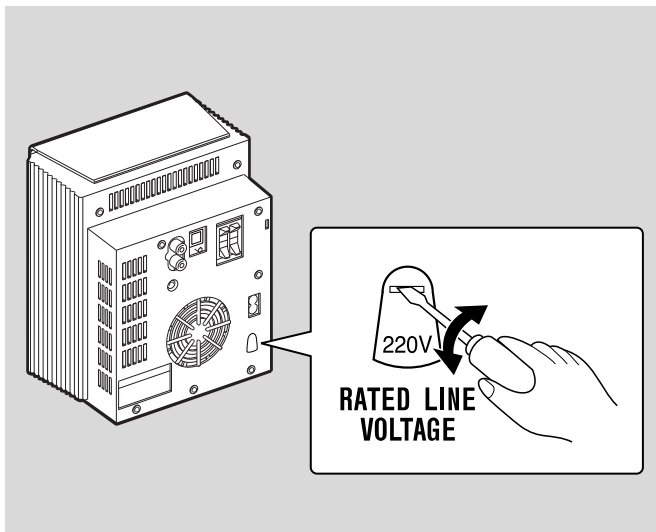
Exposing the sensor on the stereo system to strong light may interfere with operation. Change the lighting or the direction of the stereo system.

Keep the remote control away from moisture, heat, shock, and vibrations.

System Connections

■ Setting the AC voltage selector

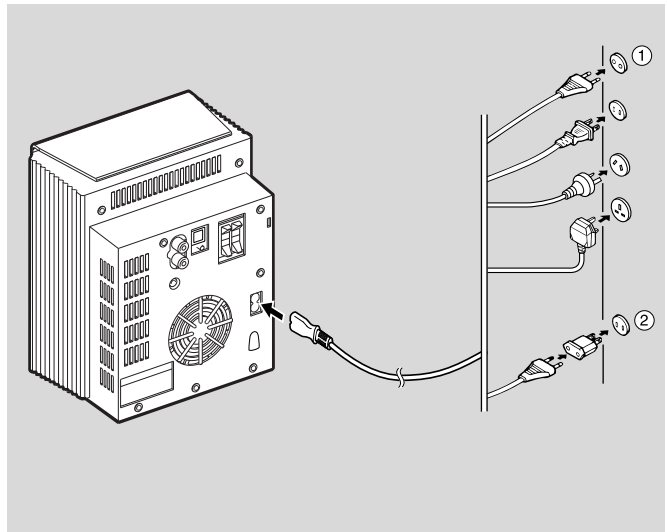
Check the setting of the AC voltage selector located on the rear panel before plugging the unit into an AC socket. If necessary, adjust the selector to correspond to the AC power voltage used in your area.



Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110 V, 127 V, 220 V or 230 V - 240 V AC).

■ Connecting the AC power lead

After making all connections, plug the unit. If you plug the unit first, the unit will enter the demonstration mode.



Notes:

- Plug the AC power lead into an AC socket, after any connections.
- Unplug the AC power lead from the AC socket if the unit will not be in use for a prolonged period of time.

AC Plug Adaptor

In areas (or countries) where an AC socket as shown in illustration ② is used, connect the unit using the AC plug adaptor supplied with the unit, as illustrated. The AC plug adaptor is not included in areas where the AC wall socket and AC power plug can be directly connected (see illustration ①).

Note for users in Australia and New Zealand:

An AC plug adaptor is not supplied if the lead has an Australian Standard plug.

■ Setting the FM/AM span selector

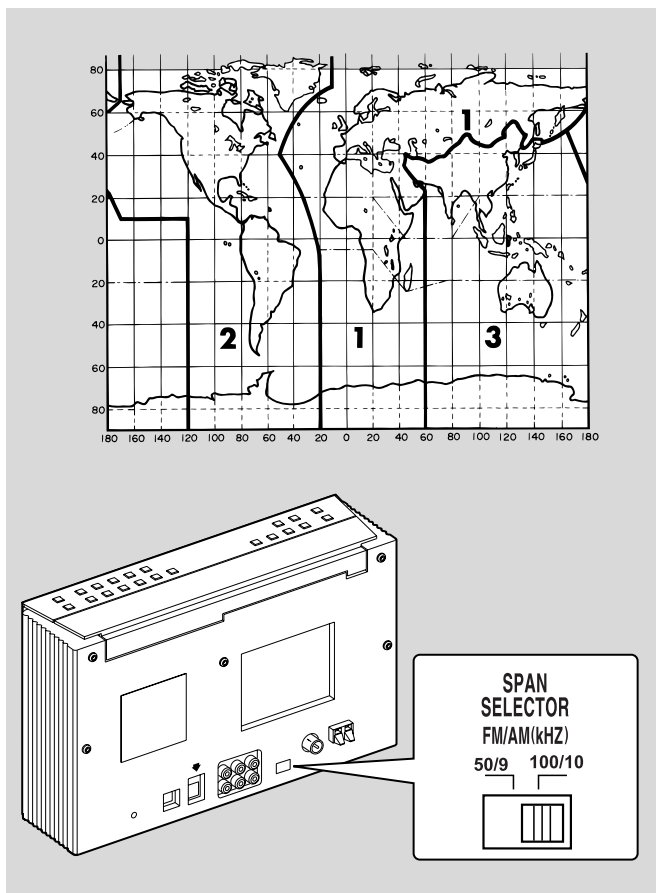
The International Telecommunication Union (ITU) has established that member countries should maintain either a 100 kHz or a 50 kHz interval between broadcasting frequencies of FM stations and 10 kHz or 9 kHz for AM station. The illustration shows the 50/9 kHz zones (regions 1 and 3), and the 100/10 kHz zone (region 2). Before using the unit, set the SPAN SELECTOR switch (on the rear panel) to the interval (span) of your area.

To change the tuning zone:

- 1 Unplug the AC power lead from the AC socket.
- 2 Set the SPAN SELECTOR switch (on the rear panel) as follows.
 - For 50 kHz FM interval (9 kHz in AM) → 50/9
 - For 100 kHz FM interval (10 kHz in AM) → 100/10
- 3 Plug the AC power lead to the AC socket.

Caution:

This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD or MiniDisc programme.



Troubleshooting Chart

Many potential "problems" can be resolved by the owner without calling a service technician.

General

Symptom	Possible cause
<ul style="list-style-type: none"> "TIME ADJUST" appears when the clock time is checked. 	<ul style="list-style-type: none"> Did a power failure occur? Reset the clock.
<ul style="list-style-type: none"> When a button is pressed, the unit does not respond. 	<ul style="list-style-type: none"> Set this unit to the power stand-by mode and then turn it back on.
<ul style="list-style-type: none"> No sound is heard. 	<ul style="list-style-type: none"> Is the volume level set to "0"? Are the headphones connected? Are the speaker wires disconnected?
<ul style="list-style-type: none"> The picture on the TV screen is distorted. 	<ul style="list-style-type: none"> When a radio or TV which uses an indoor aerial is placed near the unit, the picture on the TV screen may be distorted or the radio may not function properly. It is recommended that you use an external aerial.
<ul style="list-style-type: none"> Cannot adjust the volume. 	<ul style="list-style-type: none"> Is the sound connection lead connected to the LINE OUT sockets on the MD/CD/tuner unit? Set the unit to the stand-by mode and connect the lead to the SYSTEM OUT sockets.

CD player

Symptom	Possible cause
<ul style="list-style-type: none"> Even though a disc has been loaded, "CD NO DISC" or "Can't READ" is displayed. 	<ul style="list-style-type: none"> The disc is very dirty. Is the unit located near excessive vibrations? Has condensation formed inside the unit?
<ul style="list-style-type: none"> Playback does not start. 	<ul style="list-style-type: none"> The disc is loaded upside down.
<ul style="list-style-type: none"> Playback stops in the middle or is not performed properly. 	<ul style="list-style-type: none"> The disc does not satisfy the standards. The disc is distorted or scratched.
<ul style="list-style-type: none"> Playback sounds are skipped, or stopped in the middle of a track. 	<ul style="list-style-type: none"> Is the unit located near excessive vibrations? The disc is very dirty. Has condensation formed inside the unit?

If trouble occurs (reset)

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

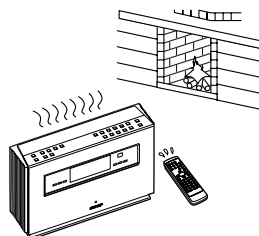
If such a problem occurs, do the following:
Unplug the power lead from the AC socket. Then, plug it in again and retry the operation.

Caution:

This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD or MiniDisc programme.

Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, MD pickup, etc.) or on the transmitter on the remote control. Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.



MiniDisc

Symptom	Possible cause
<ul style="list-style-type: none"> A recording cannot be made. 	<ul style="list-style-type: none"> Is the MiniDisc protected against accidental erasure? Did you try to make recording on a playback-only MiniDisc? Can you see the "DISC FULL" or "TOC FULL" message in the display?
<ul style="list-style-type: none"> Even though a disc has been loaded, "MD NO DISC" or "Can't READ" is displayed. 	<ul style="list-style-type: none"> The disc is very dirty. Is the unit located near excessive vibrations?
<ul style="list-style-type: none"> Playback sounds are skipped. 	<ul style="list-style-type: none"> Has condensation formed inside the unit?

Tuner

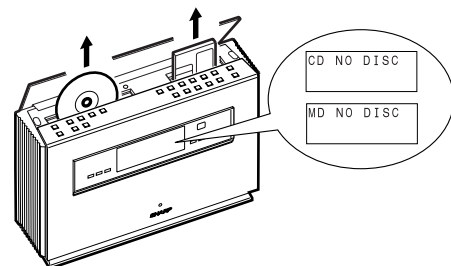
Symptom	Possible cause
<ul style="list-style-type: none"> Radio makes unusual noise consecutively. 	<ul style="list-style-type: none"> The stereo system is placed near the TV or computer. FM/AM loop aerial is not placed properly. Move the AC power lead away from the aerial if located near.
<ul style="list-style-type: none"> The preset channel cannot be recalled. 	<ul style="list-style-type: none"> Did a power failure occur? Preset the channel again.

Remote control

Symptom	Possible cause
<ul style="list-style-type: none"> The remote control does not operate. 	<ul style="list-style-type: none"> Is the AC power lead of the stereo system plugged in? The battery polarity is not correct. The batteries are dead. Incorrect distance or angle. Does the remote control sensor receive strong light?


Before transporting the unit


Remove the CD and MiniDisc from the unit. Your unit checks whether there are any discs inside. "CD NO DISC" and "MD NO DISC" appear if no disc is inside. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage it.



Error Messages

When an error message is displayed, proceed as follows:

Error messages	Meaning	Remedy
BLANK MD	<ul style="list-style-type: none"> Nothing is recorded. (Neither music nor disc name is recorded.) 	<ul style="list-style-type: none"> Replace it with another disc.
Can't COPY	<ul style="list-style-type: none"> You tried to record from a copy prohibited CD. 	<ul style="list-style-type: none"> Replace the CD.
Can't EDIT	<ul style="list-style-type: none"> A track cannot be edited. 	<ul style="list-style-type: none"> Change the stop position of the track and then try editing it.
Can't READ* (*: Number or symbol)	<ul style="list-style-type: none"> The disc is damaged. TOC information cannot be read. MiniDisc not specified. 	<ul style="list-style-type: none"> Replace it with another disc. Erase the disc and try recording again.
Can't REC	<ul style="list-style-type: none"> Recording cannot be performed correctly due to vibration or shock in the unit. 	<ul style="list-style-type: none"> Re-record or replace the MiniDisc.
Can't T REC	<ul style="list-style-type: none"> Timer recording is impossible or there is no available space on the MD. The disc is out of recording space. 	<ul style="list-style-type: none"> Replace it with another recordable disc.
Can't WRITE	<ul style="list-style-type: none"> The TOC information could not be created properly due to a mechanical shock or to scratches on the disc. 	<ul style="list-style-type: none"> Set this unit to the stand-by mode and try to write the TOC again. (Remove any source of shock or vibration whilst writing.)
CD NO DISC	<ul style="list-style-type: none"> A CD has not been loaded. The CD data cannot be read. 	<ul style="list-style-type: none"> Load a CD. Reload the CD.
DISC FULL	<ul style="list-style-type: none"> The disc is out of recording space. 	<ul style="list-style-type: none"> Replace the disc with another recordable disc.
EDIT OVER	<ul style="list-style-type: none"> You chose 21 or more tracks for track editing. 	<ul style="list-style-type: none"> Decrease the number of tracks.
Er - MD ** (**: Number or symbol)	<ul style="list-style-type: none"> A MiniDisc is not working properly. 	<ul style="list-style-type: none"> Press the MD  button. Set this unit to the stand-by mode and turn the power on again.

Error messages	Meaning	Remedy
MD NO DISC	<ul style="list-style-type: none"> A MiniDisc has not been loaded. The MiniDisc data cannot be read. 	<ul style="list-style-type: none"> Load a MiniDisc. Reload the MiniDisc.
NAME FULL	<ul style="list-style-type: none"> The number of characters for the disc name or track name exceeds 40. 	<ul style="list-style-type: none"> Shorten the disc or track name.
NOT AUDIO	<ul style="list-style-type: none"> The data recorded on this disc is not audio data. 	<ul style="list-style-type: none"> Replace the disc.
PLAYBACK MD	<ul style="list-style-type: none"> You tried to record on a playback-only disc. 	<ul style="list-style-type: none"> Replace it with another recordable disc.
POWER ?	<ul style="list-style-type: none"> A MiniDisc is not working properly. 	<ul style="list-style-type: none"> Set this unit to the stand-by mode and turn the power on again.
PROTECTED	<ul style="list-style-type: none"> The disc is write protected. 	<ul style="list-style-type: none"> Move the write protection tab back to its original position.
TEMP OVER	<ul style="list-style-type: none"> The temperature is too high. 	<ul style="list-style-type: none"> Set this unit to the stand-by mode and wait for a whilst.
TOC FORM ** (**: Number or symbol)	<ul style="list-style-type: none"> TOC information recorded on the MD does not match the MiniDisc specifications or it cannot be read. 	<ul style="list-style-type: none"> Replace it with another disc. Erase the disc and try recording again.
TOC FULL	<ul style="list-style-type: none"> There is no space left for recording track numbers. 	<ul style="list-style-type: none"> Replace it with another recordable disc.
TOC FULL 1	<ul style="list-style-type: none"> There is no space left for recording character information. 	<ul style="list-style-type: none"> Replace it with another recordable disc. Erase the needless characters.
? MD DISC	<ul style="list-style-type: none"> The data contains an error. MiniDisc not specified. 	<ul style="list-style-type: none"> Press the MD  button. Replace it with another disc.

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take compact disc and minidisc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

If the screw of the wrong length is applied on the MD mechanism unit (screw for mounting parts to the MD mechanism chassis), it may contact the optical pickup and cause the unit to malfunction.

4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

SD-NX10W (MD/CD/TUNER UNIT)

STEP	REMOVAL	PROCEDURE	FIGURE
1	Leg Cabinet	1. Screw (A1) x5	11-1
2	Rear Panel	1. Screw (B1) x9 2. Screw (B2) x1	11-1
3	MD/CD Lid Cabinet/ Loading Gear Ass'y * (Note 1)	1. Open it in the direction of the arrow. 2. Lid Cushion Cover ... (C1) x2 3. Screw Cover Sheet.. (C2) x1 4. Screw (C3) x5 5. Rear Support Bracket (C4) x1 6. Socket (C5) x3	11-2
4	Front Cabinet	1. Screw (D1) x5 2. Socket (D2) x2 3. Tip (D3) x1	11-2 11-3
5	Main PWB	1. Screw (E1) x6 2. Socket (E2) x7 3. Flat Cable (E3) x3	11-3
6	MD/CD Block	1. Screw (F1) x5 2. Socket (F2) x2	12-1 12-2
7	Tuner Unit	1. Screw (G1) x3	12-2
8	Jack PWB	1. Screw (H1) x6	12-2
9	MD Sensor PWB	1. Screw (J1) x1	12-3
10	OPEN/CLOSE Switch PWB	1. Screw (K1) x1	12-3
11	LED A/B PWB	1. Hook (L1) x2 2. Screw (L2) x4	12-4
12	Front Decoration Panel	1. Screw (M1) x8 2. Earth Plate (M2) x1	12-4
13	Top Cabinet	1. Screw (N1) x3	12-5
14	MD/CD Switch PWB	1. Screw (P1) x10	12-5
15	Socket PWB	1. Screw (Q1) x2	12-6
16	CD Mechanism Ass'y	1. Screw (R1) x4	12-6
17	MD Mechanism Unit	1. Screw (S1) x4	12-6
18	MD Mechanism/ MD Main PWB * (Note 2)	1. Screw (T1) x8 2. Flat Cable (T2) x3 3. Flexible PWB (T3) x1 4. Socket (T4) x2	13-1

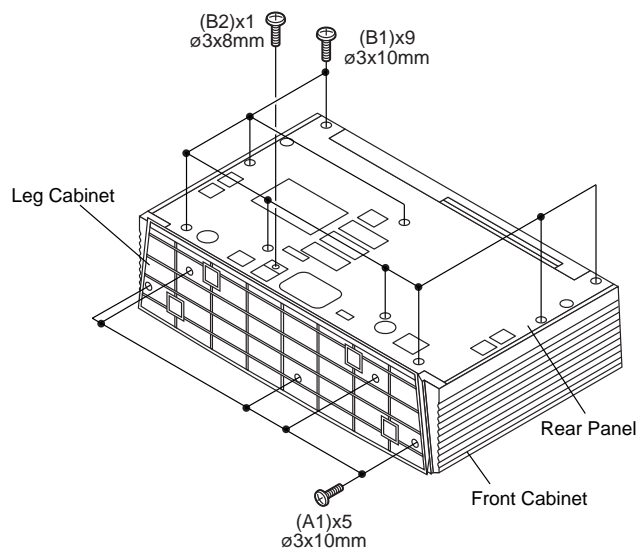
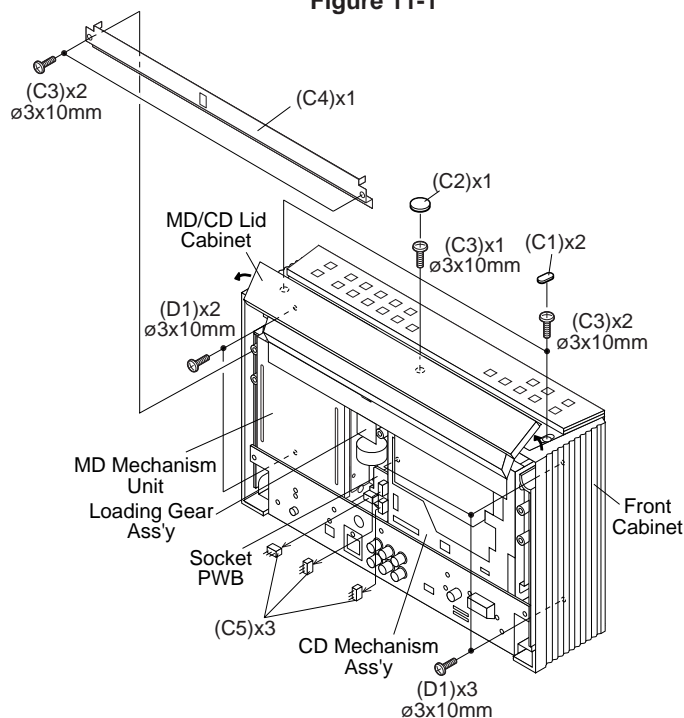
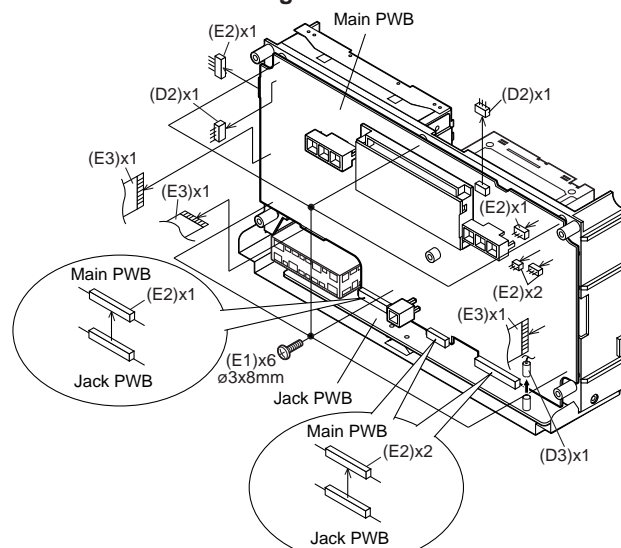
*** (Note 1)**

Screws are covered. Remove the cushion covers first with a sharp-ended stick and then screws.

Be careful not to damage them when removing. They will be reused.

*** (Note 2)**

After pulling out the optical pickup connector, wrap the tip of it with conductive aluminium foil or the like to protect the optical pickup from the static electricity.

**Figure 11-1****Figure 11-2****Figure 11-3**

SD-NX10W

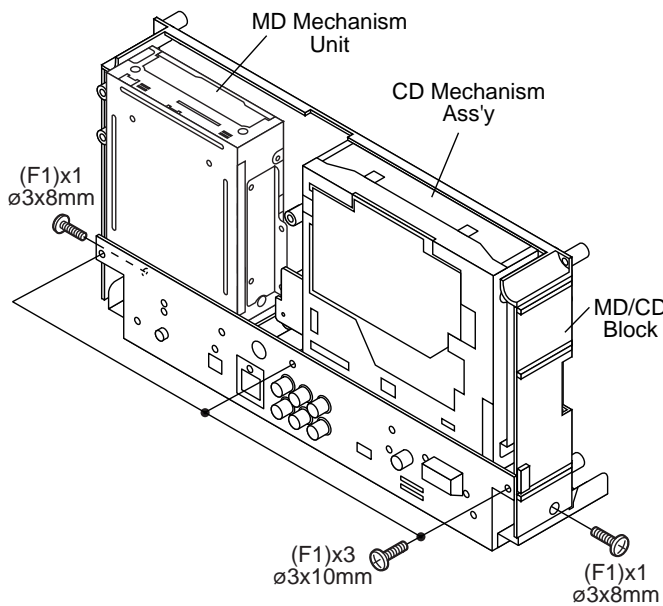


Figure 12-1

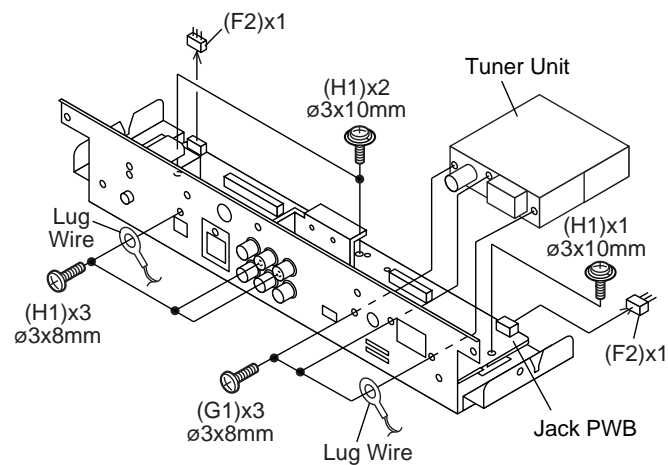


Figure 12-2

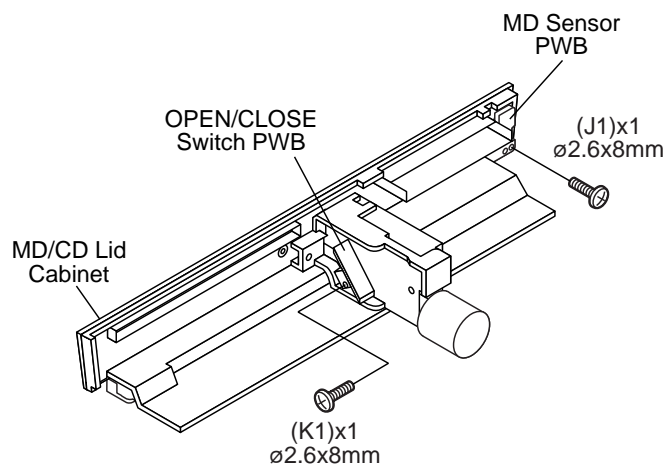


Figure 12-3

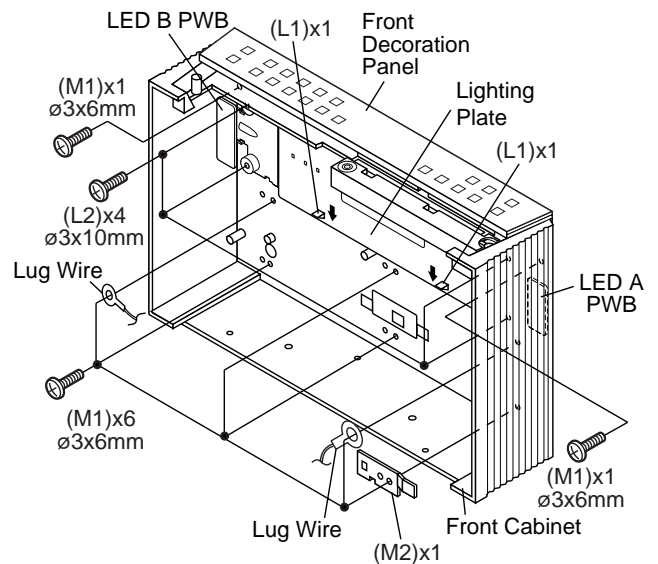


Figure 12-4

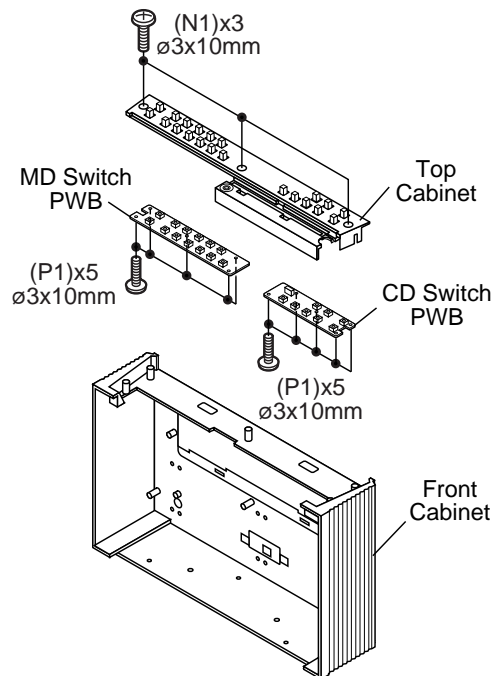


Figure 12-5

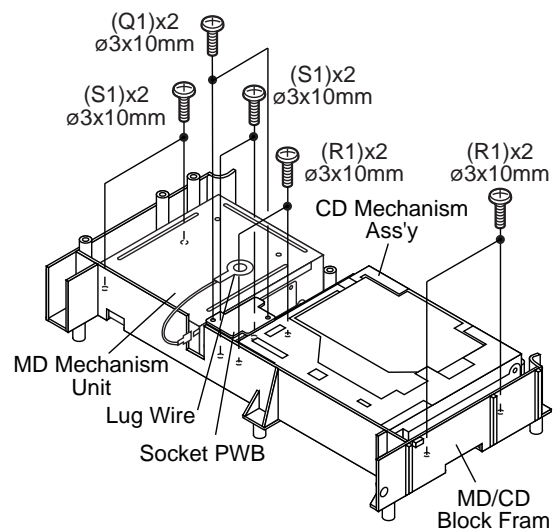


Figure 12-6

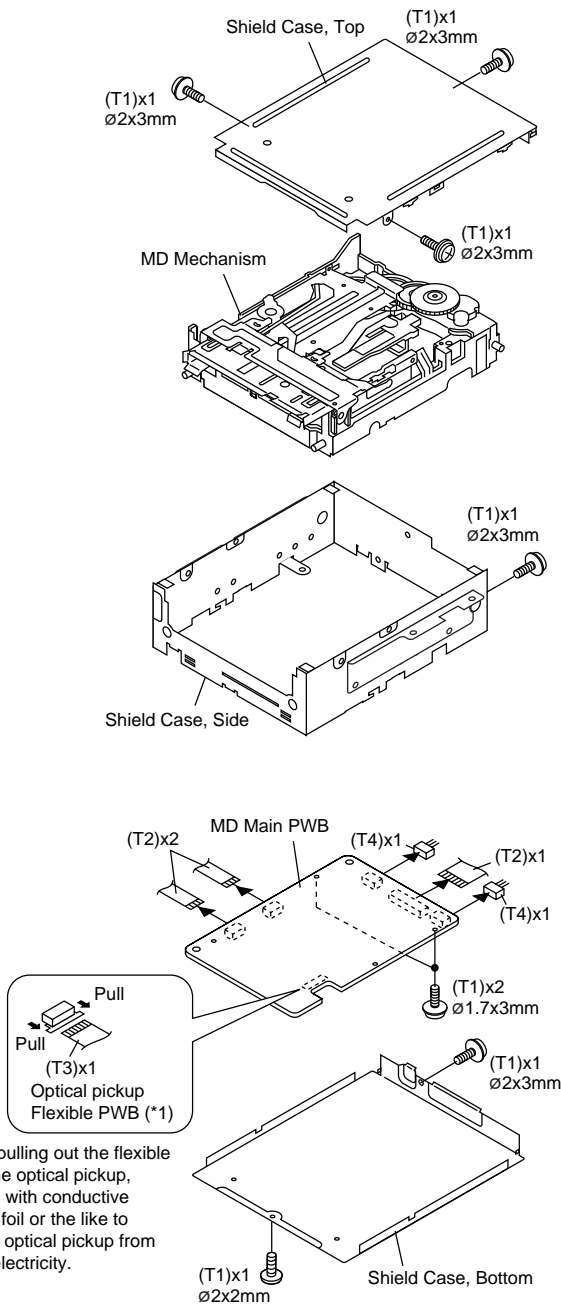


Figure 13-1

Special driver

(Amplifier unit: aluminium decorative plate)

To prohibit users' disassembling the unit, special screws are used to fix the decorative plate. A special driver is required.

(Torque head: T8 type)

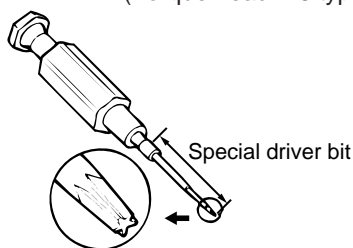


Figure 13-2

SD-NX10W (AMPLIFIER UNIT)

STEP	REMOVAL	PROCEDURE	FIGURE
1	Leg Cabinet	1. Screw (A1) x5	13-3
2	Rear Cabinet	1. Screw (B1) x11	13-3
3	Front Cabinet	1. Screw (C1) x6	13-4
4	Rear Panel	1. Screw (D1) x6 2. Socket (D2) x1	14-1
5	1-Bit Amp Unit	1. Screw (E1) x2 2. Socket (E2) x4	14-1
6	Terminal PWB	1. Screw (F1) x2 2. Socket (F2) x2	14-2
7	Power/Amp LED PWB	1. Screw (G1) x2 2. Socket (G2) x2	14-2
8	Shield Cover	1. Screw (H1) x12 2. Heat Sink (H2) x1 3. 1-Bit Amp Bracket (H3) x1	14-3
9	1-Bit Amp PWB	1. Screw (J1) x4	14-4

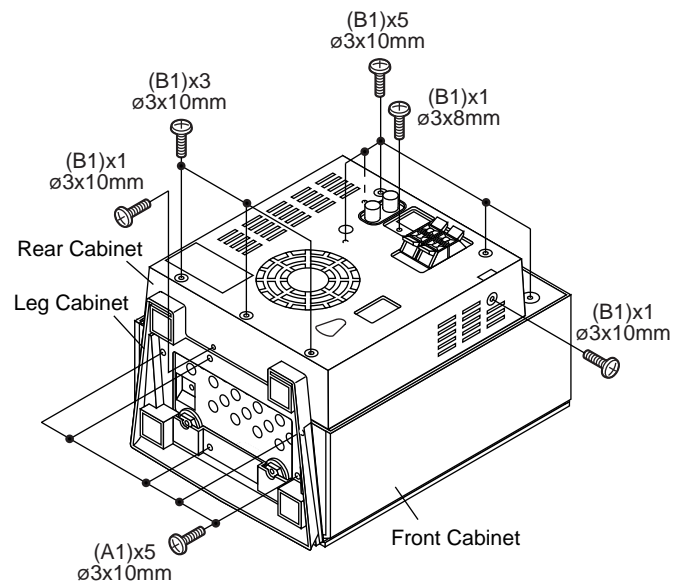


Figure 13-3

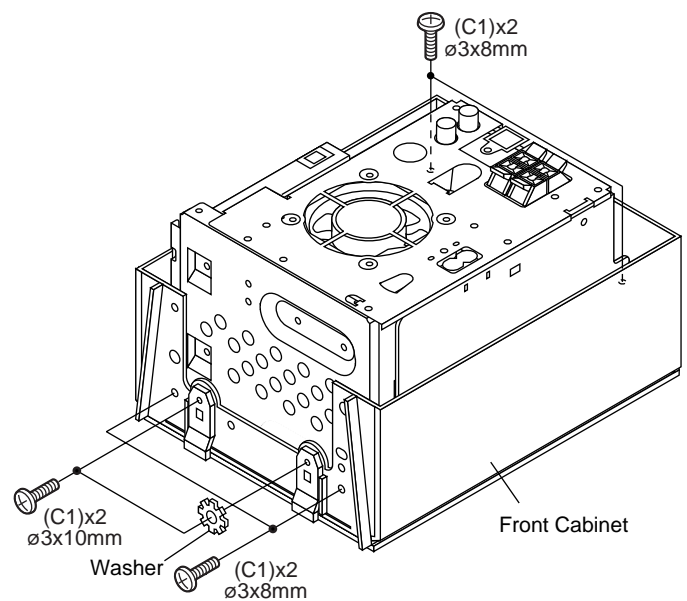


Figure 13-4

SD-NX10W

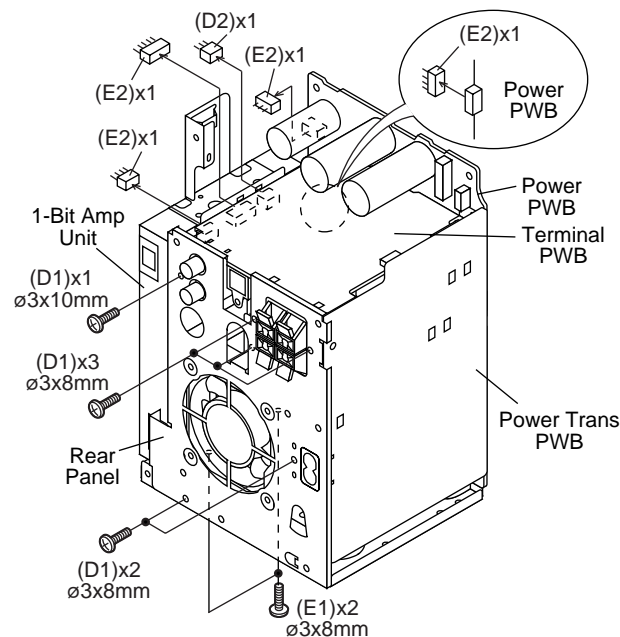


Figure 14-1

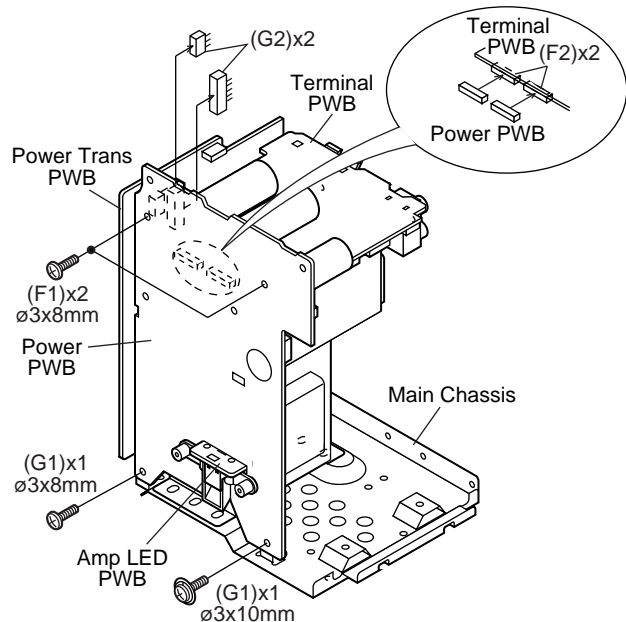


Figure 14-2

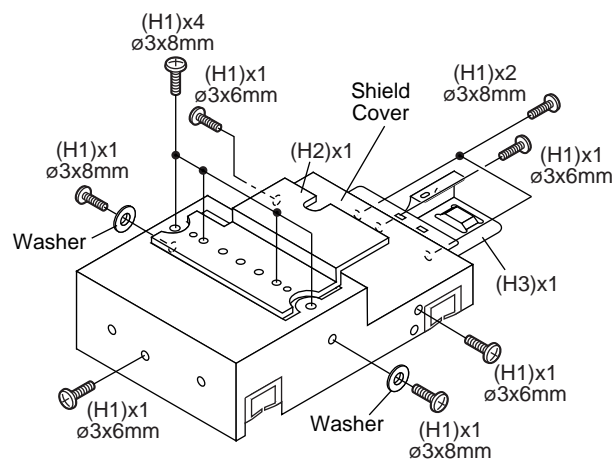


Figure 14-3

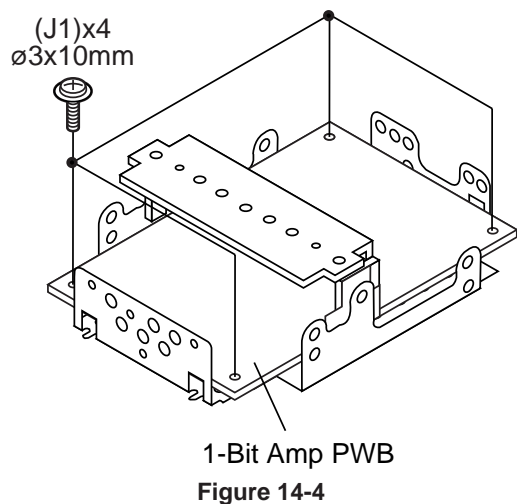


Figure 14-4

CP-NX10W			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Woofer	1. Leg Cushion (A1) x4 2. Screw (A2) x4 3. Top Cover (A3) x1 4. Front Panel (A4) x1 5. Screw (A5) x8	14-5 14-6
2	Tweeter	1. Screw (B1) x4	14-6

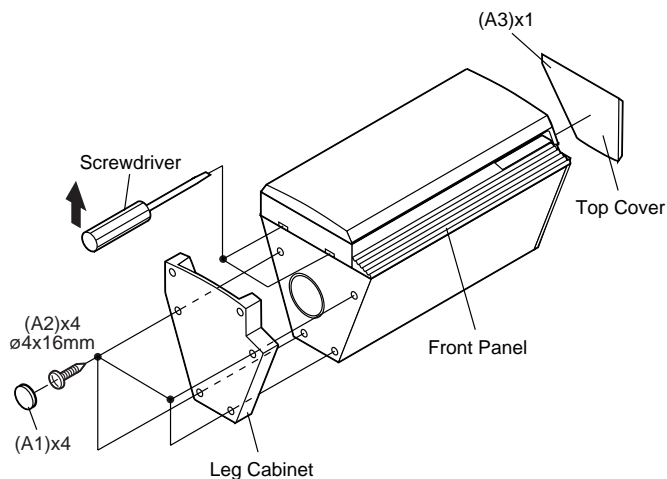


Figure 14-5

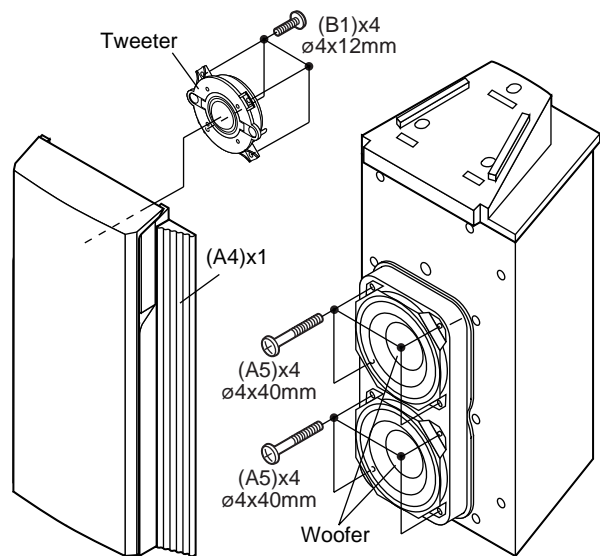


Figure 14-6

REMOVING AND REINSTALLING THE MAIN PARTS

MD MECHANISM SECTION

Perform steps 1 to 4, 6, 15, 17 and 18 of the disassembly method to remove the MD mechanism. (See pages 11 to 13.)

Caution:

After pulling out the optical pickup connector, wrap the end of the connector in conductive aluminium foil to prevent the optical pickup from being destroyed by static electricity.

How to remove the magnetic head (See Fig. 15-1)

1. Remove the screw (A1) x 1 pc.

Caution:

Take utmost care so that the magnetic head is not damaged when it is mounted.

How to remove the MD loading motor PWB/MD loading motor (See Fig. 15-2)

1. Remove the screw (B1) x 1 pc.
2. Remove the Hooks (B2) x 3 pcs., and remove the MD loading PWB.
3. Remove the screws (B3) x 2 pcs., and remove the MD loading motor.

How to remove the MD sled motor/optical pickup (See Fig. 15-3)

1. Remove the screws (C1) x 3 pcs., and remove the MD sled motor.
2. Remove the optical pickup.

Caution:

Be careful so that the gear is not damaged.
(The damaged gear emits noise during searching.)

How to remove the MD spindle motor (See Fig. 15-4)

1. Remove the screws (D1) x 3 pcs., and remove the MD spindle motor.

Caution:

Be careful so that the gear is not damaged.
(The damaged gear emits noise during searching.)

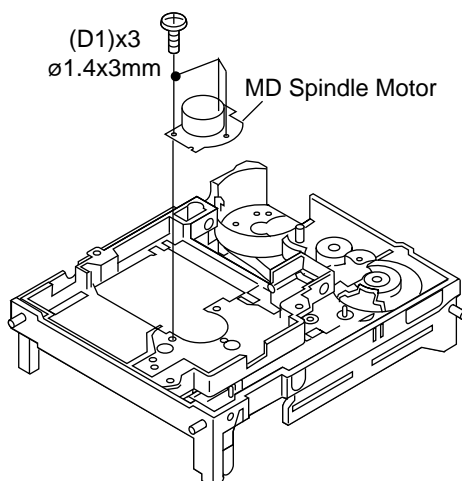


Figure 15-4

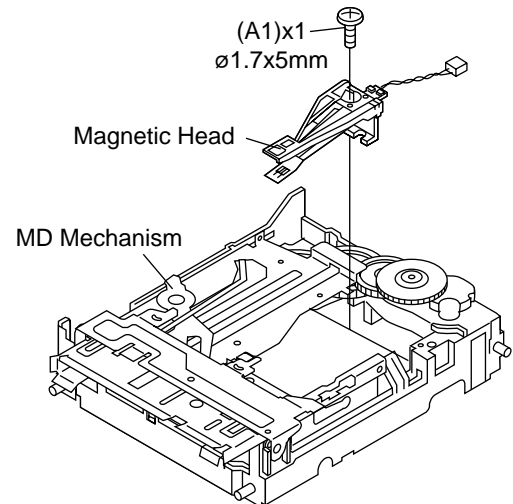


Figure 15-1

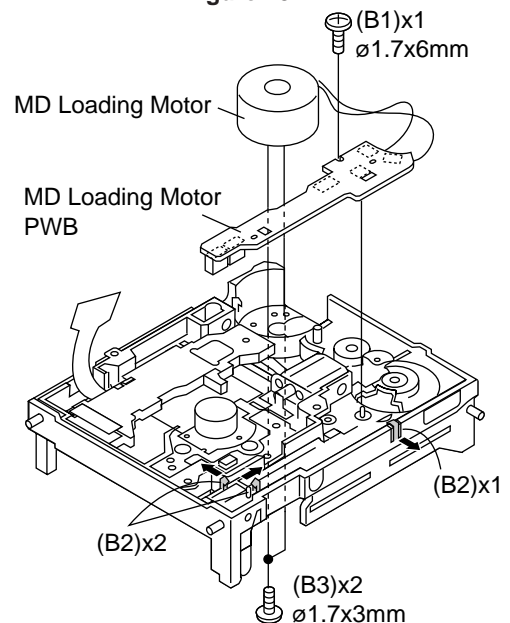


Figure 15-2

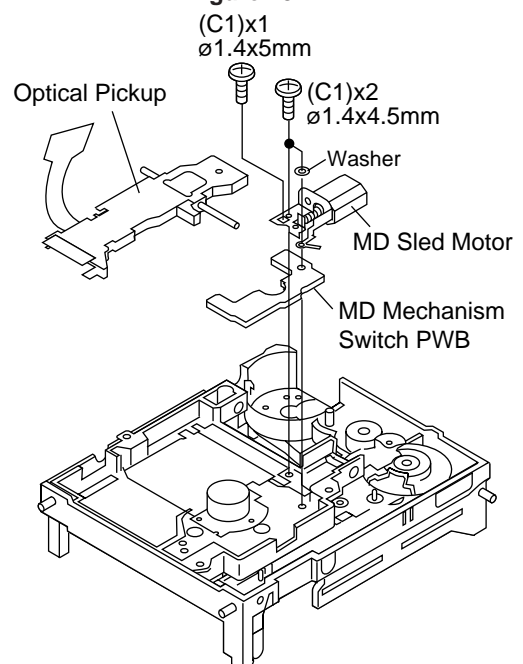


Figure 15-3

SD-NX10W

CD MECHANISM SECTION

Perform steps 1 to 4, 6, 15 and 16 of the disassembly method to remove the CD mechanism. (See pages 11 to 13.)

Unless the unit enters the loading completed state, the CD mechanism section can not be disassembled. It can be disassembled if an 8-cm disc is loaded. However, since 8-cm CDs are not available in overseas, the loading completed state have to be entered by the method written in the attached material.

(Since a 12-cm CD is too big, it is an obstacle to disassembly of the CD mechanism section.)

How to enter the loading completed state without loading a disc (See Fig. 16-1 to 16-3)

1. Unsolder the lead wire from the loading motor and apply a voltage of approx. 5 (red: plus).
2. While applying a voltage, push the white lever A in the direction indicated by the arrow as shown in Fig. 16-2.
→ The loading operation starts.
3. If the loading operation is completed and clicks are heard, stop applying a voltage.
4. When loading a disc actually, the B section is pushed by the disc, the lever C is turned, and the D section pushes the lever A.
(Therefore, the loading operation also starts if the B section is pushed in the right direction as shown in Fig. 16-2 instead of pushing the lever A instructed in the step 2 above.)
5. If the operations above are not performed, the mechanism section (seen on the near side) connecting to the roller section can not be pulled out to this side since the metal lever obstructs.

Fig. 16-1 shows the loading completed state. The metal lever is moved to a nonobstructive position, and the unit enters a state where the mechanism can be pulled out.

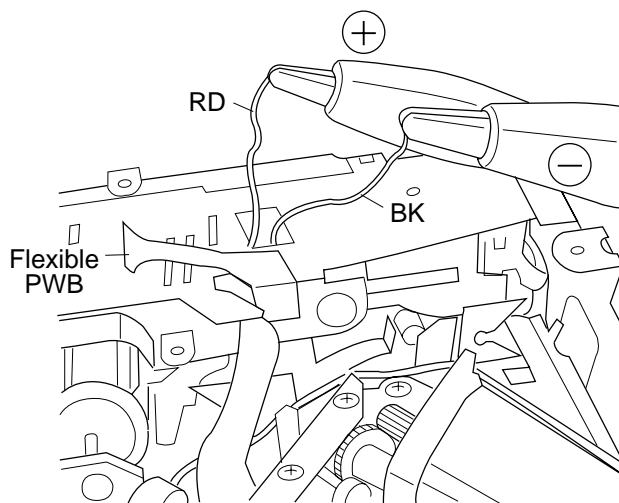


Figure 16-1

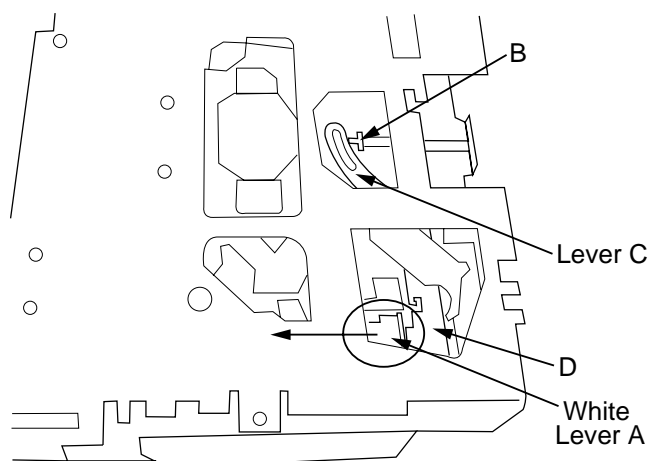


Figure 16-2

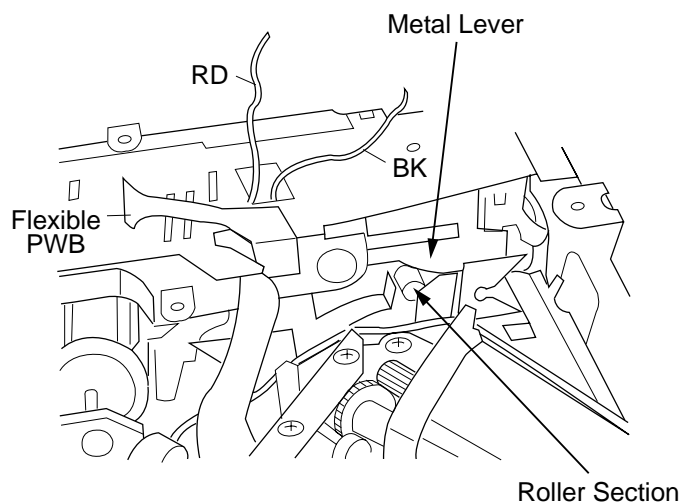


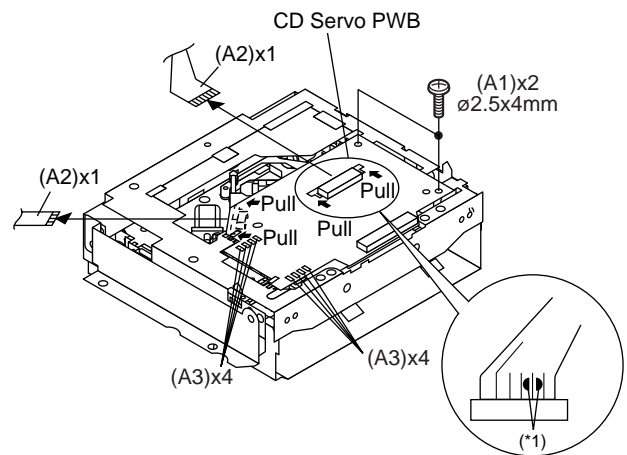
Figure 16-3

How to remove the CD servo PWB/optical pickup (See Fig. 17-1 to 17-3)

1. Remove the screws (A1) x 2 pcs.
2. Remove the flat cables (A2) x 2 pcs.
3. Remove the solder joints (A3) x 8 pcs.
4. Remove the CD servo PWB.
5. Remove the screws (A4) x 7 pcs, and then the CD bracket and CD mechanism bracket.
6. Remove the screws (A5) x 5 pcs, leaf spring, lead screw, lead screw holder, and pickup guide.
7. Remove the optical pickup.

Note:

After pulling out the optical pickup connector, wrap the tip of it with conductive aluminium foil or the like to protect the optical pickup from the static electricity.



(*1) Short-circuit this portion by soldering before removing the flexible tube from the connector.

Figure 17-1

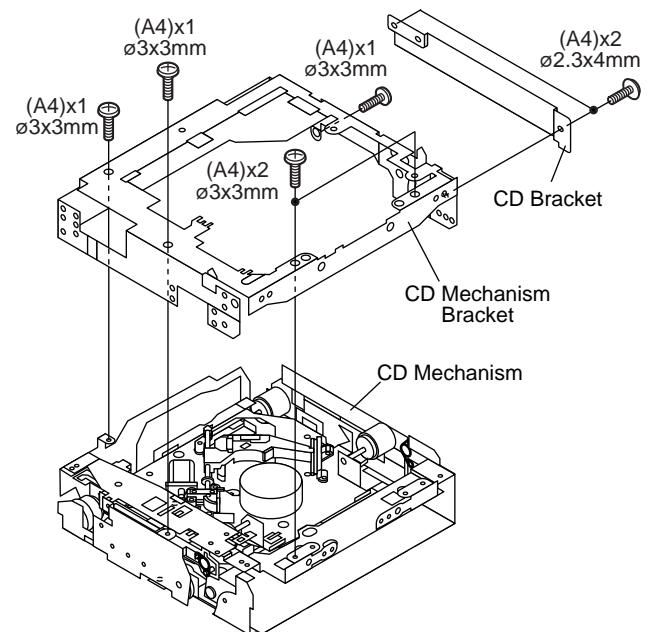


Figure 17-2

How to remove CD sled motor (See Fig. 17-3)

1. Remove the screws (B1) x 2 pcs., and remove the CD sled motor.

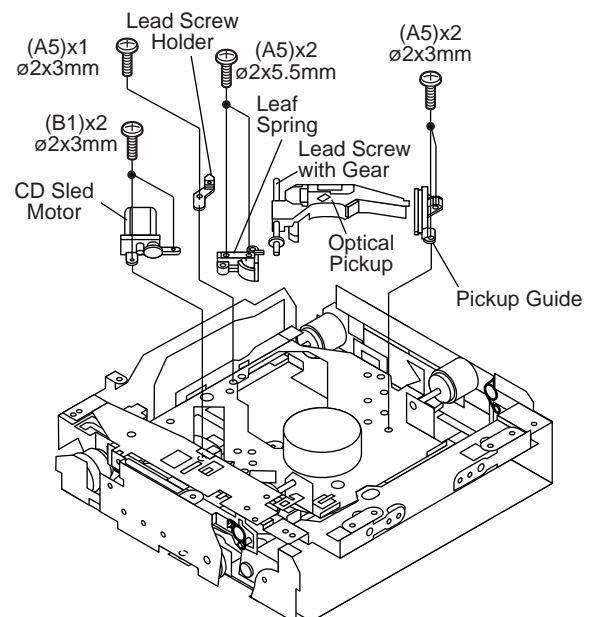


Figure 17-3

SD-NX10W

How to remove CD spindle motor (See Fig. 18-1 and 18-2)

1. Remove the stop washer (C1) x 1 pc., metal fitting (C2) x 1 pc., spring (C3) x 1 pc., and another metal fitting (C4) x 1 pc.
2. Remove the screws (C5) x 2 pcs.
3. Move the unit in the direction indicated by the arrow to take it out.
4. Remove the screws (C6) x 2 pcs., and remove the CD spindle motor.

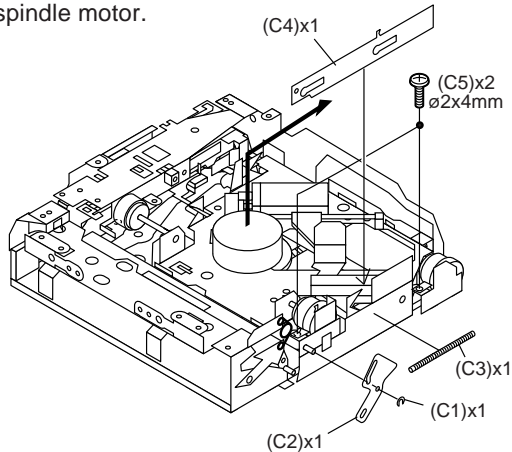


Figure 18-1

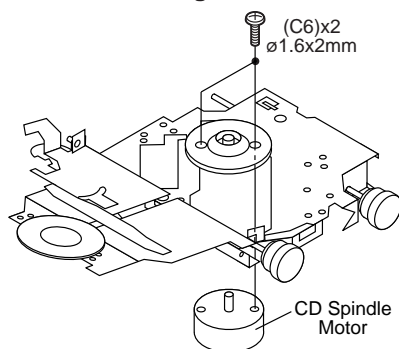


Figure 18-2

How to remove CD loading motor (See Fig. 18-3)

1. Remove the screws (D1) x 4 pcs.
2. Remove the springs (D2) x 2 pcs.
3. Remove the fitting (D3) x 1 pc.
4. Pull it in the arrowed direction, remove the screws (D4) x 2 pcs., and then take out the CD loading motor.

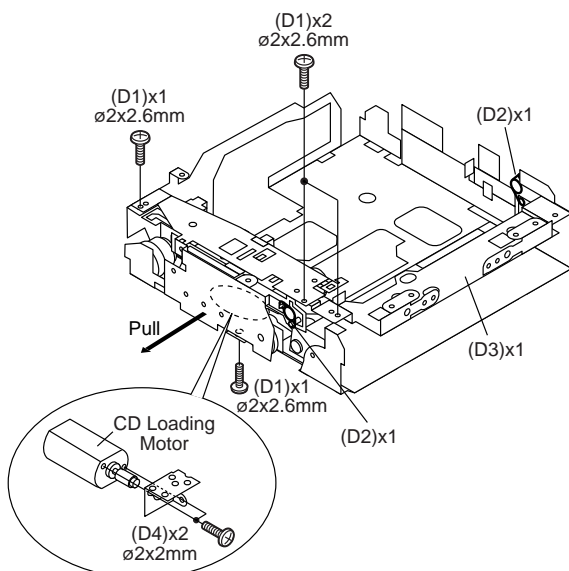
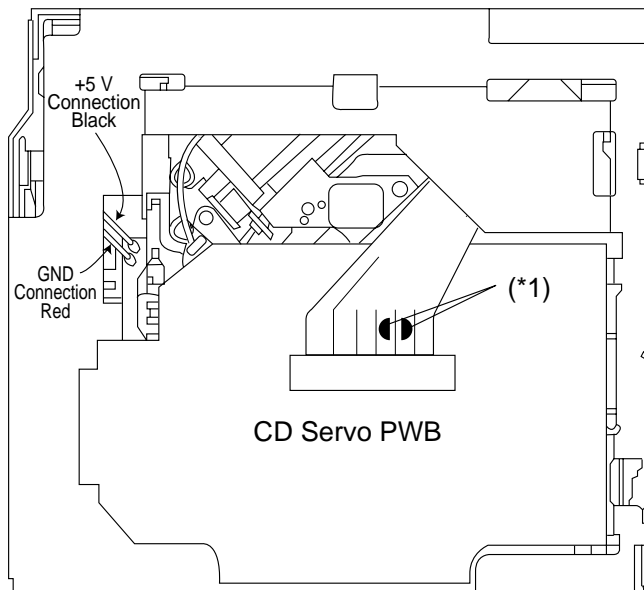


Figure 18-3

How to eject CD unit (See Fig. 18-4)

1. Unsolder the loading motor lead wire, connect the black lead wire to + and red lead wire to GND, and apply +5 V to eject the CD unit.



(*1) Short-circuit this portion by soldering before removing the flexible tube from the connector.

Figure 18-4

How to reassemble CD mechanism unit (See Fig. 18-5)

1. Lift the gear block (E1) x 1 pc.
2. Insert the mechanism block (E2) x 1 pc., into the mechanism chassis (E3) x 1 pc.
3. Engage the gear properly and place it.

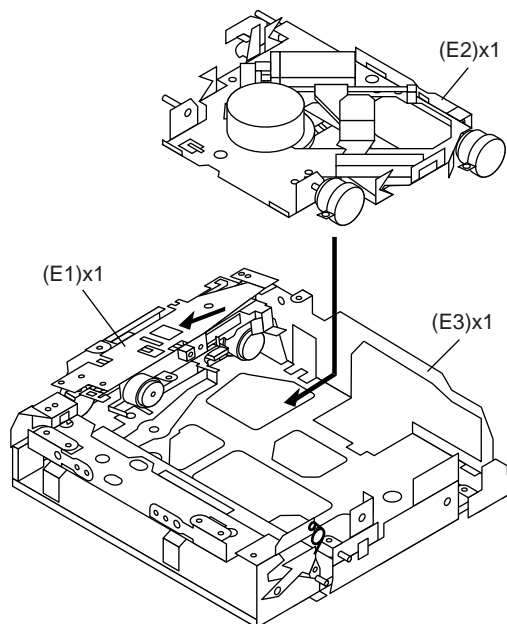


Figure 18-5

WIRING PROCESS DIAGRAM

1-BIT SECTION

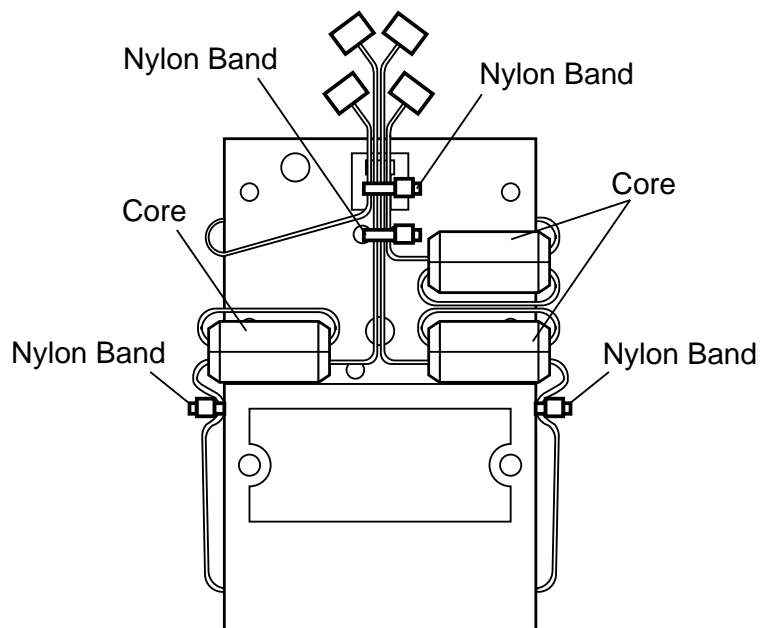


Figure 19-1

ADJUSTMENT

TUNER SECTION

fL: Low-range frequency
fC: Middle-range frequency
fH: High-range frequency

• FM Mute Level

Signal generator: 400 Hz, 22.5 kHz, FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98 MHz (26 dB) (EFM)	98 MHz	VR1	Input: FM Antenna Terminal Output: Headphones Terminal

Turn the VR1 to set the volume to 26 dB.

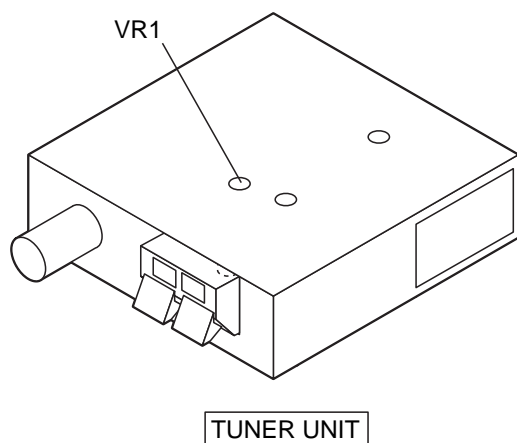


Figure 19-2

TEST MODE

When the tuner test mode is set, the initial setting of frequencies is stored in the preset memory as shown in Table 1. For details, refer to "8. Tuner test" on page 38.

The frequencies registered by the user will be changed when the above setting is performed.

• 9 kHz/50 kHz

Preset Memory	Frequency FM	Preset Memory	Frequency AM
P1	87.50 MHz	P6	531 kHz
P2	108.00 MHz	P7	1,602 kHz
P3	90.00 MHz	P8	603 kHz
P4	106.00 MHz	P9	1,404 kHz
P5	98.00 MHz	P10	990 kHz

• 10 kHz/100 kHz

Preset Memory	Frequency FM	Preset Memory	Frequency AM
P1	87.5 MHz	P6	530 kHz
P2	108.0 MHz	P7	1,620 kHz
P3	90.0 MHz	P8	600 kHz
P4	106.0 MHz	P9	1,400 kHz
P5	98.0 MHz	P10	990 kHz

Table 1 Memory setting

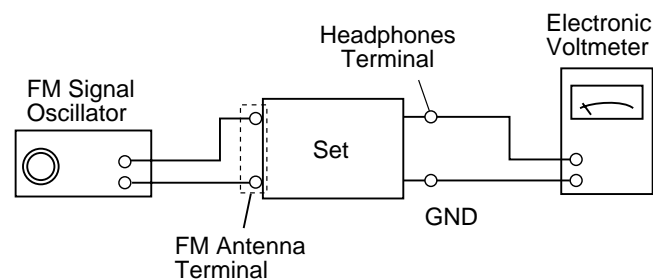


Figure 19-3

SD-NX10W

MD SECTION

Enter the test mode, adjust or set as shown in the following table according to the repair operations.

Execution item Repair operations	TEMP basic setting	Checking EEPROM setting	Writing the EEPROM setting	AUTO-YOBI adjustment	AUTO- adjustment	AUTO-AFB adjustment	Writing the EEPROM setting	Operation check	
	TEMP	EEPROM_SET	TEST-CANCEL	AUTO-YOBI	AUTO-ADJ	AUTO-AFB	TEST-CANCEL	TEST-PLAY	TEST-REC
PICK replacement	—	①	②	③	④	⑤	⑥	⑦	⑧
HEAD replacement	—	—	—	—	—	—	—	—	①
MECHANISM replacement	—	①	②	③	④	⑤	⑥	⑦	⑧
MAIN PWB assembly replacement	①	②	③	④	⑤	⑥	⑦	⑧	⑨
MD microcomputer replacement	—	①	②	—	—	—	②	③	④
MD LSI replacement	—	—	—	①	②	③	④	⑤	⑥
RF IC replacement	①	②	③	④	⑤	⑥	⑦	⑧	⑨
EEPROM IC replacement	①	②	③	④	⑤	⑥	⑦	⑧	⑨

number ① to ⑧ and ⑨ indicate the order of implementation.

"—" is an item that you don't have to execute.

The EEPROM writing result is shown at the end of the test mode

OK_EEPROM: "SET" and "YOBI COMPLETE" were written normally

WR_EEPROM: Although "SET" was written normally, it was not written in the "YOBI COMPLETE" state.

→ Perform "AUTO-YOBI" adjustment. After making a normal adjustment,
write the preliminary adjustment into the EEPROM.

NG_EEPROM: "SET" could not be written.

→ Check the connection between the MD microcomputer and the EEPROM.

1. Preparation for adjustment

Test disc

	Type	Test disc	Part No.
1	High reflection disc	TGYS1 (SONY) [for Playback]	RRCDT0101AFZZ
2	Low reflection disc	MiniDisc for checking the recording operation (commercially available MD)	—
3	—	Head Adjusting transparent	RRCDT0103AFZZ
4	Low reflection disc	Pre-adjustment disc [TEAC Test MD]	88GMMD-213AS or 88GMMD-318

Extension Cable (See Fig. 28-1)

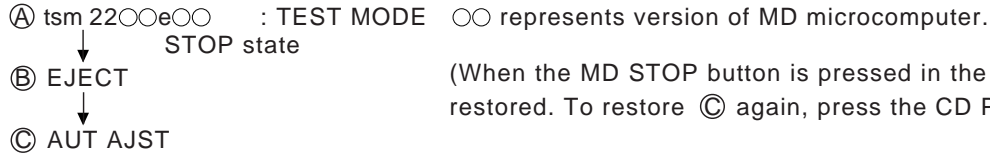
	Type	Part No.
1	Extension PWB for servicing	RUNTK0532AFZZ
2	Extension Connector (2 Pin)	QCNWK0129AFZZ
3	Extension Flat Cable (6 Pin)	QCNWK0130AFZZ
4	Extension Flat Cable (5 Pin)	QCNWK0109AFZZ
5	Extension Flat Cable (28 Pin)	QCNWK0108AFZZ

2. Test Mode

Test mode setting method

1. While the +10 forward button (+10) and the REC LEVEL/MD Fast Forward button (▶▶) are pressed down together, press the POWER button and then MD PLAY button. (State ① is changed to state ②.)
2. Insert the playback-only disc 1 (high reflection disc) or the recordable disc 2 (low reflection disc). (State is changed to ③.)

Above procedures will set the unit to the test mode.

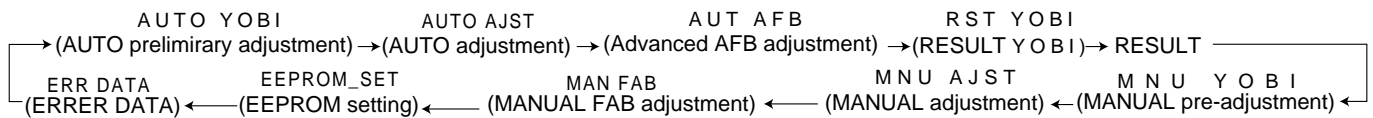


(When the MD STOP button is pressed in the ③ state, the indication ① is restored. To restore ③ again, press the CD PLAY/PAUSE button.)

● Entering the specific mode

Whenever the CD PLAY/PAUSE button is pressed, the mode is changed.

If the REC button is pressed instead, the mode will change in the opposite order.



● Cancel of test mode

The mode is written on EEPROM by pressing the POWER button. If the POWER button is pressed again, the unit returns to the normal state.

* Before pressing the POWER button, make sure that the AUTO pre-adjustment, AUTO adjustment, and AUTO AFB adjustment have been completed.

* After the value of EEPROM is changed or the AUTO pre-adjustment, AUTO adjustment, and AUTO AFB adjustment are performed again, write on EEPROM by pressing the POWER button. (When the POWER button is pressed, data is written on EEPROM.)

* When the value of EEPROM has been changed, write the data on EEPROM once. To perform adjustment using the data, set the unit to the TEST mode again, perform AUTO pre-adjustment, AUTO adjustment, and AUTO AFB adjustment, and then write the data again on EEPROM.

● Test Mode

1. EJECT mode	<ul style="list-style-type: none"> • TEMP setting (of EEPROM setting) • CONTROL setting (of EEPROM setting) • Setting of laser power (record/playback power)
2. AUTO pre-adjustment mode	• Automatic pre-adjustment is performed.
3. AUTO adjustment mode	• Automatic adjustment is performed. (After adjustment the grating adjustment mode is set.)
4. AUTO AFB adjustment mode	• Focus adjustment is performed.
<ul style="list-style-type: none"> • RESULT sub-mode • RESULT mode (final adjustment) • MANUAL pre-adjustment mode • MANUAL adjustment mode • MANUAL AFB adjustment mode • ERROR DATA 	• Therefore do not set this mode since it is not necessary for the service.
5. EEPROM setting mode	• Various coefficients of digital servo are changed manually.
6. TEST-PLAY mode	<ul style="list-style-type: none"> • Continuous playback from the specified address is performed. • C1 error rate measurement, ADIP error rate measurement.
7. TEST-REC mode	• Continuous recording from the specified address is performed.
8. INNER mode	• The position where the INNER switch is turned on is measured.

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1. EJECT mode

Step No.	Setting Method	Remarks	Display
Step 1	Test mode EJECT state		[_ _ E J E C T _ _ _]
Step 2	Press the CD STOP button.	Playback power output state	[p p w _ _ _ _ _]
Step 3	Press the CD STOP button.	Rec power output state	[r p w _ _ _ _ _]
Step 4	Press the CD STOP button.	Therefore do not set this mode since it is not necessary for the service.	[x p w _ _ _ _ _]
Step 5	Press the TUNER (BAND) button.	TEMP setting of EEPROM setting (The TEMP setting reference of the EEPROM.)	
Step 6	Press the AUX (DEMO) button.	CONTROL setting of EEPROM setting (The CONTROL setting reference of the EEPROM.)	

* Normally, the voltage at pin 3 of IC1401 becomes as follows:

Playback power output (ppw): Approx. DC 0.2 V

Recording power output (rpw): Approx. DC 1.8 V

Confirmation of pickup laser power

It is possible to confirm in the record/playback mode with the aid of laser power meter. However, since the laser power meter measurement is characterized with dispersion, obtained data are used only for confirmation.

Reference data (at room temperature 25 °C)

Playback: 0.72 ± 0.1 mW

Record: 5.5 ± 0.5 mW

Note:

Never see directly the laser light. Otherwise your eyes are injured.

2. AUTO pre-adjustment mode (Low reflection disc only)

With the pre-adjustment disc (MMD213A or MMD-318)

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m ○○○○ e ○○]
Step 2	Press once the CD PLAY button.	AUTO adjustment menu	[A U T O _ A J S T _]
Step 3	Press the MD REC button.	AUTO pre-adjustment menu	[_ A U T _ Y O B I _]
Step 4	Press once the MD PLAY button. End of adjustment	• During automatic adjustment *** changes as follows. H A o → • • • • • → T C O If adjustment is OK, Step 5. If adjustment is NG, Step 6.	[*** : _ _ _ _ _]
Step 5	Press the MD STOP button.	STEP 2	[_ C O M P L E T E _]
Step 6	Adjustment value output Press the MD STOP button.	STEP 2 AUTO adjustment menu	[C a n ' t _ A D J .]

• *** : Adjustment name

3. AUTO adjustment mode

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m ○○○○ e ○○]
Step 2	Press once the CD PLAY button.	AUTO adjustment menu	[A U T O _ A J S T _]
Step 3	Press once the MD PLAY button. End of adjustment	• In case of high reflection disc *** changes as follows. PEG→HAG • In case of low reflection disc *** changes as follows. PEG→LAG If adjustment is OK, Step 4. If adjustment is NG, Step 7.	[*** : _ _ _ _ _]
Step 4	Press the MD PLAY button. Press the MD STOP button.	For grating adjustment STEP 5 STEP 2	[_ C O M P L E T E _] * Note 1
Step 5	Continuous playback (pit section) Continuous playback (groove section)	Confirmation of C1 error	[s □□□□ c ○○○○] [a □□□□ c ○○○○]
Step 6	Press the CD STOP button. Press the MD STOP button.	Conformation of ADIP error (Low reflection only) STEP 2 AUTO adjustment menu	[a □□□□ a ○○○○]
Step 7	Adjustment value output Press the MD STOP button.	STEP 2 AUTO adjustment menu	[C a n ' t _ A D J .]

• *** : Adjustment name, ○○ : Measurement value, □□□□ : Address

* Note 1:

Depending on the disc, "#COMPLETE_" may be displayed, which means that the ON position of the INNER switch cannot be identified clearly. In this case, check the switch in the INNER mode using the specified disc. However, this is not a problem in AUTO adjustment.

4. AUTO AFB adjustment mode

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m 0000 e 00]
Step 2	Press the CD PLAY button two times.	AUTO AFB adjustment menu	[_ A U T _ A F B _ _]
Step 3	Press once the MD PLAY button.		[F A B 00 _ ΔΔΔΔ]
Step 4	Adjustment value output Press the MD STOP button.	STEP 2 AUTO AFB adjustment	[00 _ ΔΔΔΔΔΔΔ]

• 00 , ΔΔΔΔ : Measurement value

5. EEPROM setting mode

a) Focus setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m 0000 e 00]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the MD PLAY button.	[F G _ _ _ _ _ ◆◆]
Step 5	Press the CD PLAY button.	[F G 2 _ _ _ _ ◆◆]
Step 6	Press the CD PLAY button.	[F F 0 _ _ _ _ ◆◆]
Step 7	Press the CD PLAY button.	[F F 1 _ _ _ _ ◆◆]
Step 8	Press the CD PLAY button.	[F F 2 _ _ _ _ ◆◆]
Step 9	Press the CD PLAY button.	[F Z H L E V _ _ ◆◆]
Step 10	Press the CD PLAY button.	[F O K L E V h _ ◆◆]
Step 11	Press the CD PLAY button.	[F O K L E V L _ ◆◆]
Step 12	Press the CD PLAY button.	[F O S T n _ _ _ ◆◆]
Step 13	Press the CD PLAY button.	[D S C J G _ _ _ ◆◆]

• ◆◆ : Setting value

b) Spin setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m 0000 e 00]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button.	[_ S p i n d l e _ _]
Step 5	Press the MD PLAY button.	[S P G _ _ _ _ ◆◆]
Step 6	Press the CD PLAY button.	[S P G _ i n _ _ ◆◆]
Step 7	Press the CD PLAY button.	[S P G _ m i d _ ◆◆]
Step 8	Press the CD PLAY button.	[S P G _ o u t _ ◆◆]
Step 9	Press the CD PLAY button.	[S P G M _ _ _ _ ◆◆]
Step 10	Press the CD PLAY button.	[S P 1 _ _ _ _ ◆◆]
Step 11	Press the CD PLAY button.	[S P 2 _ _ _ _ ◆◆]
Step 12	Press the CD PLAY button.	[S P 2 2 _ _ _ ◆◆]
Step 13	Press the CD PLAY button.	[S P 3 _ _ _ _ ◆◆]
Step 14	Press the CD PLAY button.	[S P 4 _ _ _ _ ◆◆]
Step 15	Press the CD PLAY button.	[S P 5 _ _ _ _ ◆◆]
Step 16	Press the CD PLAY button.	[S P 5 2 _ _ _ ◆◆]
Step 17	Press the CD PLAY button.	[S P D L I M _ _ ◆◆]
Step 18	Press the CD PLAY button.	[S P K L E V m _ ◆◆]

• ◆◆ : Setting value

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c) Tracking setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m ○○○○ e ○○]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button two times.	[_ T r a c k i n g _]
Step 5	Press the CD PLAY button.	[T G _ _ _ _ _ ◆◆]
Step 6	Press the CD PLAY button.	[T G 2 _ _ _ _ _ ◆◆]
Step 7	Press the CD PLAY button.	[T F 0 _ _ _ _ _ ◆◆]
Step 8	Press the CD PLAY button.	[T F 1 _ _ _ _ _ ◆◆]
Step 9	Press the CD PLAY button.	[T F 2 _ _ _ _ _ ◆◆]
Step 10	Press the CD PLAY button.	[F T 3 _ _ _ _ _ ◆◆]
Step 11	Press the CD PLAY button.	[S V C N T 4 _ _ ◆◆]
Step 12	Press the CD PLAY button.	[T R B L V o _ _ ◆◆]
Step 13	Press the CD PLAY button	[T R B L V t _ _ ◆◆]
Step 14	Press the CD PLAY button	[T R K L V o _ _ ◆◆]
Step 15	Press the CD PLAY button	[T R K L V t _ _ ◆◆]
Step 16	Press the CD PLAY button	[T D P W o _ _ _ ◆◆]
Step 17	Press the CD PLAY button	[T D P W t _ _ _ ◆◆]
Step 18	Press the CD PLAY button	[S L C T o _ _ _ ◆◆]
Step 19	Press the CD PLAY button	[S L C T t _ _ _ ◆◆]
Step 20	Press the CD PLAY button.	[S L C T m _ _ _ ◆◆]
Step 21	Press the CD PLAY button.	[T C R S C 1 P _ ◆◆]
Step 22	Press the CD PLAY button.	[T C R S C 0 h _ ◆◆]
Step 23	Press the CD PLAY button.	[T C R S C 0 L _ ◆◆]
Step 24	Press the CD PLAY button.	[T C R S C H h _ ◆◆]
Step 25	Press the CD PLAY button.	[T C R S C H L _ ◆◆]
Step 26	Press the CD PLAY button.	[C O T L V p _ _ ◆◆]
Step 27	Press the CD PLAY button.	[C O T L V r _ _ ◆◆]
Step 28	Press the CD PLAY button.	[J P i n t _ _ _ ◆◆]
Step 29	Press the CD PLAY button.	[K I K 1 0 _ _ _ ◆◆]

◆◆ : Setting value

d) Sled setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m ○○○○ e ○○]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button three times.	[_ _ _ S l e d _ _ _]
Step 5	Press the MD PLAY button.	[S L G _ _ _ _ ◆◆]
Step 6	Press the CD PLAY button.	[S L 2 _ _ _ _ ◆◆]
Step 7	Press the CD PLAY button.	[S L D L I M _ _ ◆◆]
Step 8	Press the CD PLAY button.	[S L D L E V _ _ ◆◆]
Step 9	Press the CD PLAY button.	[S L K L V k _ _ ◆◆]
Step 10	Press the CD PLAY button.	[S L K L V t _ _ ◆◆]
Step 11	Press the CD PLAY button.	[S L K L V m _ _ ◆◆]
Step 12	Press the CD PLAY button.	[S L B K m _ _ _ ◆◆]
Step 13	Press the CD PLAY button.	[S L K r i o _ _ ◆◆]
Step 14	Press the CD PLAY button.	[S L K r o i _ _ ◆◆]
Step 15	Press the CD PLAY button.	[S L K l i o _ _ ◆◆]
Step 16	Press the CD PLAY button.	[S L K l o i _ _ ◆◆]
Step 17	Press the CD PLAY button.	[I N N E R 1 _ _ ◆◆]
Step 18	Press the CD PLAY button.	[I N N E R u _ _ ◆◆]
Step 19	Press the CD PLAY button.	[E J _ W A I T _ _ ◆◆]

◆◆ : Setting value

e) TEMP setting

Step No.	Setting Method	Display
Step 1	EJECT state (or state without mechanism)	[_ _ E J E C T _ _ _]
Step 2	Press the TUNER (BAND) button.	[T E M P _ ○ ○ _ ◆◆]

• ◆◆ : Setting value, ○○ : Measurement value

f) CONTROL setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m ○○○○ e ○○]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button five times.	[_ C o n t r o l _ _]
Step 5	Press the MD PLAY button.	[C O N T R L 1 _ ◆◆]
Step 6	Press the CD PLAY button.	[C O N T R L 2 _ ◆◆]
Step 7	Press the CD PLAY button.	[A D J T T M _ _ ◆◆]
Step 8	Press the CD PLAY button.	[H D E Q A D _ _ ◆◆]
Step 9	Press the CD PLAY button.	[L D E Q A D _ _ ◆◆]
Step 10	Press the CD PLAY button.	[G D E Q A D _ _ ◆◆]
Step 11	Press the CD PLAY button.	[G D E Q A D 2 _ ◆◆]
Step 12	Press the CD PLAY button.	[H D E Q B C _ _ ◆◆]
Step 13	Press the CD PLAY button.	[L D E Q B C _ _ ◆◆]
Step 14	Press the CD PLAY button.	[G D E Q B C _ _ ◆◆]
Step 15	Press the CD PLAY button.	[G D E Q B C 2 _ ◆◆]
Step 16	Press the CD PLAY button.	[H A L S G _ _ _ ◆◆]
Step 17	Press the CD PLAY button.	[L A L S G _ _ _ ◆◆]
Step 18	Press the CD PLAY button.	[G A L S G _ _ ◆◆]
Step 19	Press the CD PLAY button.	[H A L S O F S _ ◆◆]
Step 20	Press the CD PLAY button.	[L A L S O F S _ ◆◆]
Step 21	Press the CD PLAY button.	[G A L S O F S _ ◆◆]

• ◆◆ : Setting value

g) ADJUST setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m ○○○○ e ○○]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button six times.	[A D J S E T _ _ _ _]
Step 5	Press the MD PLAY button.	[C O K _ _ _ _ _ ◆◆]
Step 6	Press the CD PLAY button.	[F A T _ _ _ _ _ ◆◆]
Step 7	Press the CD PLAY button.	[T A T _ _ _ _ _ ◆◆]
Step 8	Press the CD PLAY button.	[C A T _ _ _ _ _ ◆◆]
Step 9	Press the CD PLAY button.	[F A B _ _ _ _ _ ◆◆]
Step 10	Press the CD PLAY button.	[S T R _ _ _ _ _ ◆◆]
Step 11	Press the CD PLAY button.	[S F S _ _ _ _ _ ◆◆]
Step 12	Press the CD PLAY button.	[S T C _ _ _ _ _ ◆◆]

• ◆◆ : Setting value

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h) REC bit setting

Step No.	Setting Method	Display
Step 1	Test mode STOP state	[t s m ○○○○ e ○○]
Step 2	Press the CD PLAY button eight times.	[E E P R O M _ S E T]
Step 3	Press the MD PLAY button.	[_ _ F o c u s _ _ _]
Step 4	Press the CD PLAY button seven times.	[R E C b i t _ S E T]
Step 5	Press the MD PLAY button.	[S P _ W R 5 0 _ ◆◆]
Step 6	Press the CD PLAY button.	[S P _ W R 5 6 _ ◆◆]
Step 7	Press the CD PLAY button.	[S P _ W R 4 4 _ ◆◆]
Step 8	Press the CD PLAY button.	[S P _ W R 5 3 _ ◆◆]
Step 9	Press the CD PLAY button.	[L P 2 W R 5 0 _ ◆◆]
Step 10	Press the CD PLAY button.	[L P 2 W R 5 6 _ ◆◆]
Step 11	Press the CD PLAY button.	[L P 2 W R 4 4 _ ◆◆]
Step 12	Press the CD PLAY button.	[L P 2 W R 5 3 _ ◆◆]
Step 13	Press the CD PLAY button.	[L P 4 W R 5 0 _ ◆◆]
Step 14	Press the CD PLAY button.	[L P 4 W R 5 6 _ ◆◆]
Step 15	Press the CD PLAY button.	[L P 4 W R 4 4 _ ◆◆]
Step 16	Press the CD PLAY button.	[L P 4 W R 5 3 _ ◆◆]
Step 17	Press the CD PLAY button.	[R V D _ _ _ _ _ ◆◆]

• ◆◆ : Setting value

6. TEST-PLAY mode

(For confirmation of the playback ability at the named address.)

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m ○○○○ e ○○]
Step 2	Press the TUNER (BAND) button.	TEST-PLAY menu	[T E S T _ P L A Y _]
Step 3	Press the CD STOP button. Press the MD PLAY button.	ADDRESS setting (Target address initial value is indicated)	[A D R E S _ 0 0 3 2]
Step 4	Continuous playback (pit section) Continuous playback (groove section)	(Address + C1 error indication) (Address + C1 error indication)	[s □□□□ c ○○○○] [a □□□□ c ○○○○]
Step 5	Press the CD STOP button. Continuous playback (groove section)	(Address + ADIP error indication)	[a □□□□ a ○○○○]
Step 6	Press the MD STOP button.	TEST-PLAY menu	[T E S T _ P L A Y _]

• Whenever the TUNER (BAND) button is pressed in the address setting mode, the address changes as follows.

0 0 3 2 → 0 3 C 0 → 0 7 0 0 → 0 8 A 0 → 0 9 5 0 → 0 0 3 2 →

7. TEST-REC mode

With recording mini disk (For confirmation of the playback ability at the named address.)

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m ○○○○ e ○○]
Step 2	Press the TUNER (BAND) button two times.	TEST-REC menu	[T E S T _ R E C _ _]
Step 3	Press the CD STOP button.	ADDERS setting (indication of address initial value)	[a 0 0 3 2 _ p w ▽▽]
Step 4	Press the MD PLAY button.	Continuous recording	[a □□□□ _ p w ▽▽]
Step 5	Press the MD STOP button.	TEST-REC menu	[T E S T _ R E C _ _]

• Whenever the TUNER (BAND) button is pressed in the address setting mode, the address changes as follows.

0 0 3 2 → 0 3 C 0 → 0 7 0 0 → 0 8 A 0 → 0 9 5 0 → 0 0 3 2 →

8. INNER mode

Step No.	Setting Method	Remarks	Display
Step 1	Test mode STOP state		[t s m ○○○○ e ○○]
Step 2	Press the AUX (DEMO) button.	INNER menu	[_ _ I N N E R _ _ _]
Step 3	Press the MD PLAY button.	INNER switch position measurement (SUBQ address and C1 error are also indicated.)	[s □□□□ c ○○○○]
Step 4	Press the MD STOP button.	INNER menu	[_ _ I N N E R _ _ _]

• □□□□ : Address

① Adjustment

Load a high-reflective TYGS1 test disc.

Note:

Adjust the position of the lead-in switch between FF85 to FFD2.

1. Loosen the screw (A1) x 1 pc., fixing the mechanism switch PWB.
 2. Retighten the screw while pushing the PWB in the direction of arrow A if the switch position is at FF85 or lower, or in the direction of arrow B if it is at FFD2 or higher, and measure its position again.
- After adjusting the position, fix it with the screw (A1) x 1 pc. (See Fig. 27-1)

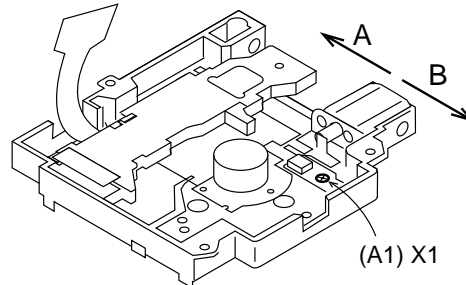


Figure 27-1

② Confirmation

Check that the display shows "_COMPLETE_" instead of "#COMPLETE_" in step 4 of the AUTO adjustment mode.

● Rotating the loading motor forcibly

The loading motor can be rotated forcibly by rotating the VOL UP/DOWN button while STOP or EJECT in the test mode appears on the display.

● Magnetic head mounting position check

- Check the mounting position whenever the magnetic head and the optical pickup are replaced.
 - Move the optical pickup to the center to adjust the position easily.
1. Set the transparent disc for checking the head.
 2. Press down the magnetic head up shift arm by hand to raise the magnetic head.
 3. View the set from above to check whether the magnetic head aligns with the optical pickup objective lens.
 4. Check that the magnetic head moves up and down smoothly.
- (See Fig. 27-2)

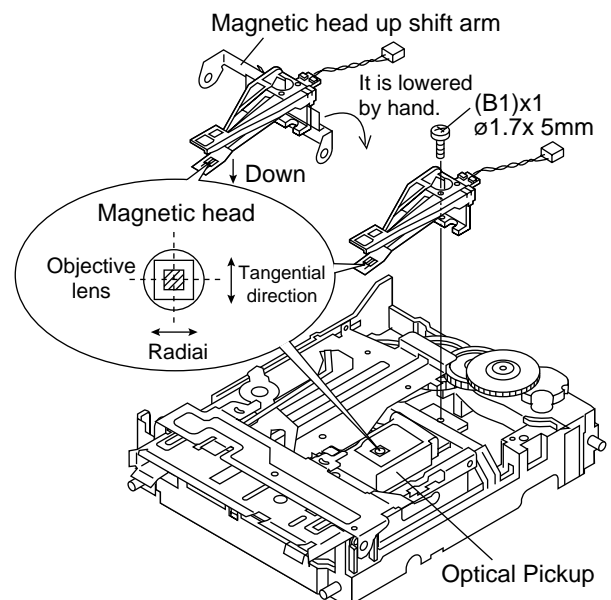


Figure 27-2

● Mechanism Adjustment

1. Optical pickup grating inspecting method

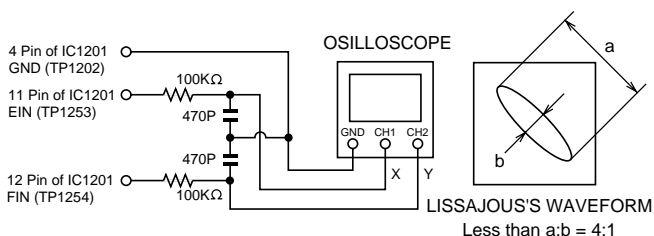


Figure 27-3 Optical Pickup Grating Deviation Measuring Method

After auto adjustment (COMPLETE appears) in the test mode (auto) using the high reflection MD disc TGYS1, adjust the Lissajou's waveform (x-y) of EOUT to FOUT.

1. Slightly loosen the 3 screws of the spindle motor, adjust while observing the Lissajou's waveform.
2. After adjustment, tighten screws ①, ②, and ③ in numerical order. (See Fig. 27-4)

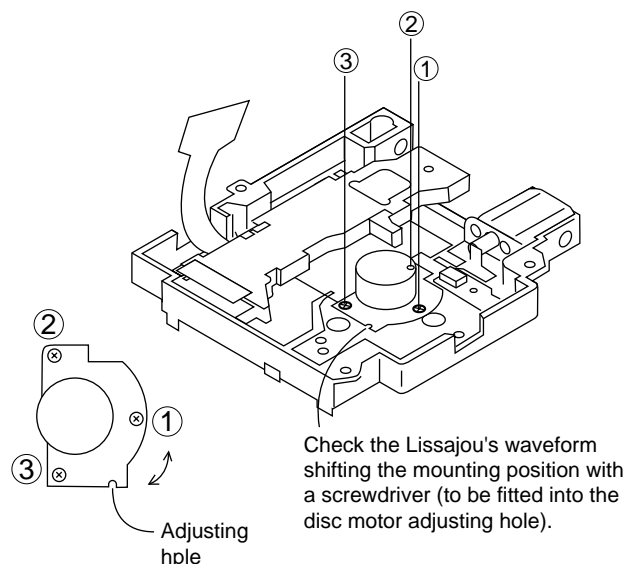


Figure 27-4

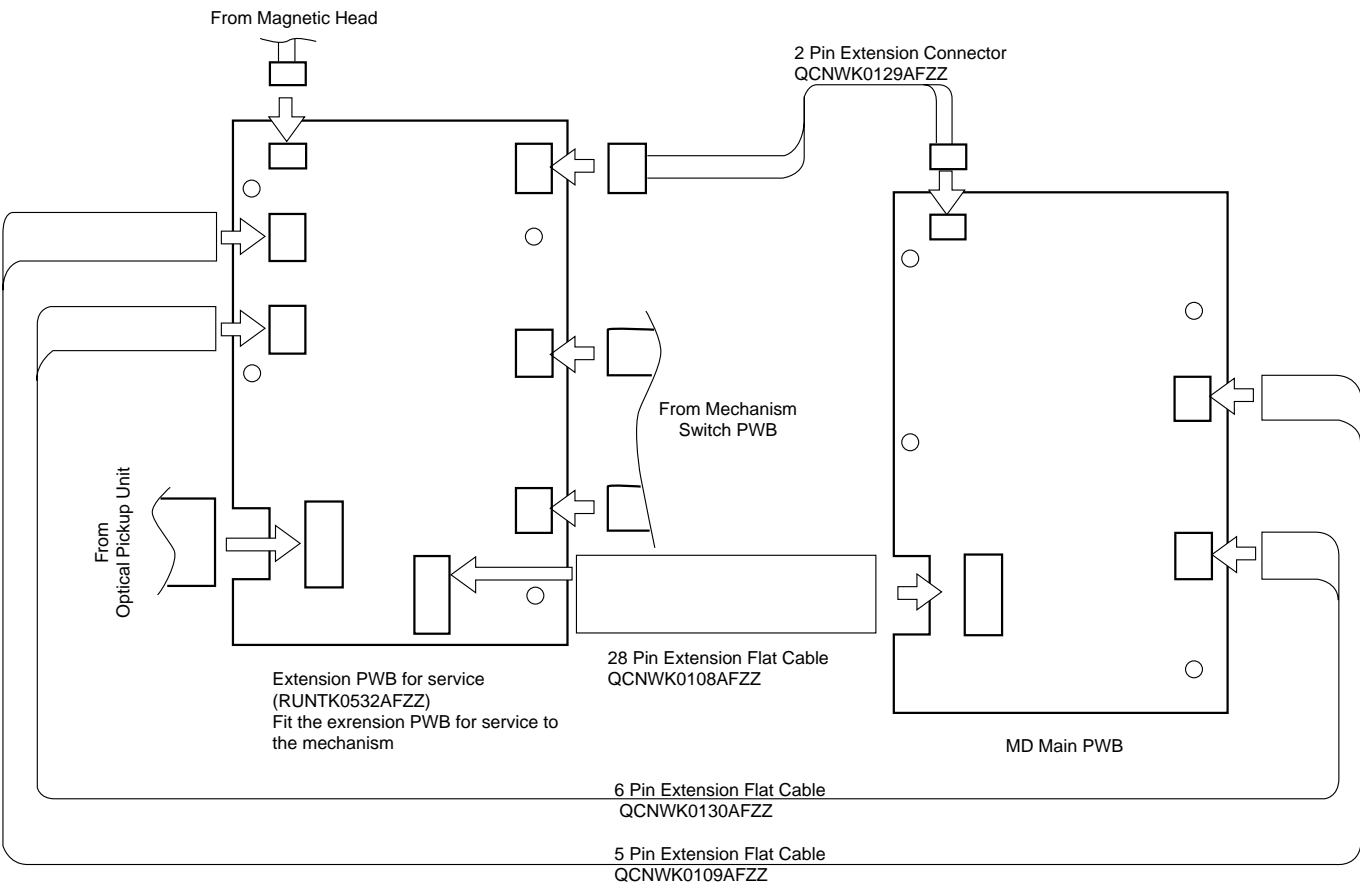


Figure 28-1

● 1-bit amplifier's output offset voltage adjustment

Adjust VRA100 and VRA101 so that the DC voltage between speaker terminals + and - is set to 0 ± 5 mV at AC 110/127/220/230-240 V.

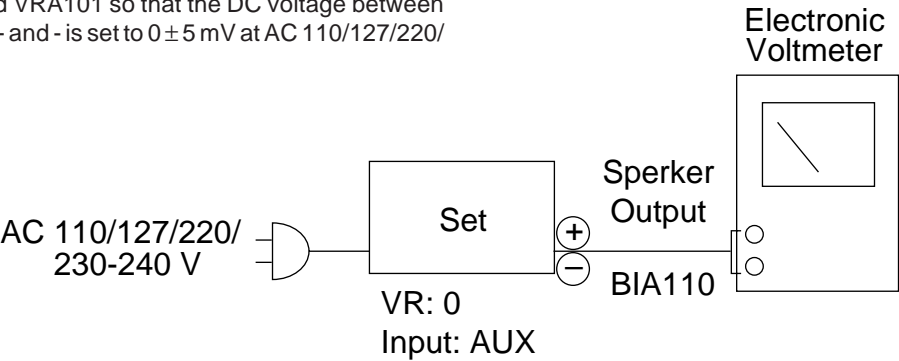


Figure 28-2

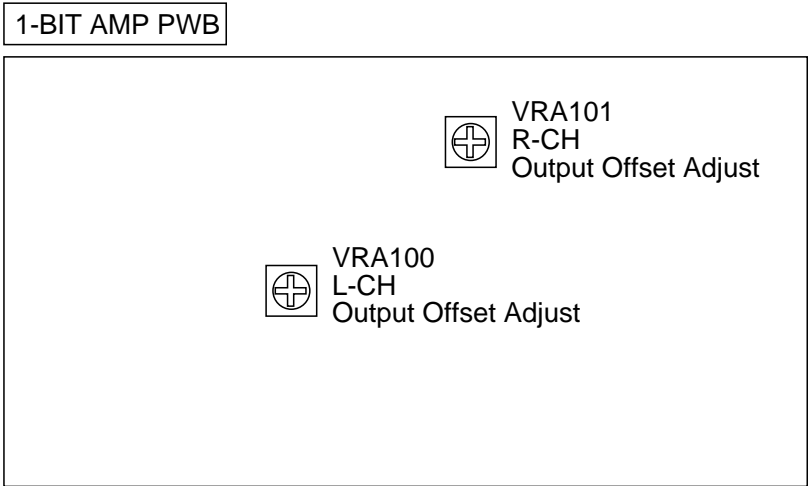


Figure 28-3

ERROR MESSAGE LIST

MD error messages

Error Display	Error Message	Remarks
Can't REC	<ul style="list-style-type: none"> Errors occurred 10 times continuously in the REC-PLAY mode. In the REC-PLAY mode, recording enable cluster became 0 due to errors. Cannot read the address. The unit cannot enter the REC mode for 20 seconds regardless of repetitive tries. 	<ul style="list-style-type: none"> Check for scratch, dust, fingerprints, or black spots on the disc. Check that the disc is not eccentric or largely deflected.
Can't COPY	<ul style="list-style-type: none"> During the REC-PAUSE or REC-PLAY mode, the disc was judged as follows according to the channel status of the digital signal input at D-IN: <ol style="list-style-type: none"> It is not an audio disc. It is not for public use. Due to the inversion of COPY bit on the CD, the contents cannot be copied. 	<ul style="list-style-type: none"> Check if it is the copy-prohibited disc (Example: CD-R etc.).
NO SIG.	<ul style="list-style-type: none"> During the REC-PAUSE, REC-PLAY, or CD FUNC playback mode, the following occurred responding to the digital signal input at D-IN: <ol style="list-style-type: none"> Digital IN PLL is unlocked. PLL is locked even if FS is not 44.1 kHz. 	<ul style="list-style-type: none"> Check for an abnormality with the D-IN signal line.
TOC FULL	<ul style="list-style-type: none"> There is no space left for track numbers or character information (track names, disc name, etc.). No recordable space was found when entering the REC-PAUSE mode. 	<ul style="list-style-type: none"> Replace the disc with the one on which the space for recording UTOC is left.
Can't u READ	<ul style="list-style-type: none"> FTNO > LTNO has been recognized. FTNO is not 0 or 1. Cannot read UTOC recorded on the disc. 	<ul style="list-style-type: none"> There is an error with UTOC data. Replace the disc.
TOC FROM a	<ul style="list-style-type: none"> The start address > end address has been recognized. 	<ul style="list-style-type: none"> There is an error with UTOC data. Replace the disc.
TOC FROM L0-4	<ul style="list-style-type: none"> One of UTOC 0-4 data is looping. 	<ul style="list-style-type: none"> There is an error with UTOC data. Replace the disc.
NOT AUDIO	<ul style="list-style-type: none"> Non-audio data is recorded in the track mode of currently selected track number. 	<ul style="list-style-type: none"> Select another track number or replace the disc.
? DISC	<ul style="list-style-type: none"> The ASCII codes data "MINI" of the system ID written in TOC is not correct. The disc type written in TOC does not belong to either of the pre-master MD, recording MD or hybrid MD. 	<ul style="list-style-type: none"> This is a nonstandard disc. Replace the disc and check.
DISC FULL	<ul style="list-style-type: none"> No recordable space was found when entering the REC-PAUSE mode. 	<ul style="list-style-type: none"> Replace the disc with the one on which the recording space for UTOC is left.
PROTECT	<ul style="list-style-type: none"> You tried recording or editing on a disc with the erase-prevention tab moved. You tried editing the track that is write-protected due to the information written in UTOC. 	<ul style="list-style-type: none"> Move the tab back to its original position and try recording or editing again. * Try editing other tracks that are not write-protected.
Can't EDIT	<ul style="list-style-type: none"> Conditions in each editing function have not been satisfied. 	<ul style="list-style-type: none"> The unit is not operated properly. Try again in right procedures.
TEMP OVER	<ul style="list-style-type: none"> The temperature inside of the set (MD unit) becomes too high due to an error. 	<ul style="list-style-type: none"> Check the remedy on the troubleshooting chart. Is the unit used in a place of high temperature?
Can't READ * (* : Number or symbol)	<ul style="list-style-type: none"> The read data is not correct, or data has not been read properly. An error occurred while recording sound data, and the recording could not be completed. 	<ul style="list-style-type: none"> There may be an error in TOC or UTOC data or scratches on the disc. Replace the disc.
Can't s READ r READ	<ul style="list-style-type: none"> The read data is not correct. TOC information cannot be read. There may be scratches on the disc. Replace the disc. 	<ul style="list-style-type: none"> TOC information on the disc does not comply with the MD standard. Replace the disc.
Can't WRITE	<ul style="list-style-type: none"> An error occurred while overwriting UTOC, and it could not be overwritten properly. 	<ul style="list-style-type: none"> There may be scratches on the disc. Replace the disc.
BLANK MD	<ul style="list-style-type: none"> Although UTOC is read, total number of letters of TNO and NAME is 0. 	<ul style="list-style-type: none"> Check that the disc is a recordable disc by recording on it.
Er-MD41	<ul style="list-style-type: none"> UTOC can be read but cannot be overwritten. 	<ul style="list-style-type: none"> Is the recording head positioned properly? Check the connection between the PWB and recording head.
Er-MD80	<ul style="list-style-type: none"> EEPROM data is not correct. 	<ul style="list-style-type: none"> Reset the unit and try again. If it does not restore the unit, replace EEPROM.
MD P ERR	<ul style="list-style-type: none"> Due to the abnormality with the power supply, MD unit cannot be operated properly. 	<ul style="list-style-type: none"> Reset the unit and try again. If it does not restore the unit, the power supply circuit is defective. Check the DC voltage of Q570 (E), Q550 (E), and Q853 (E).

SD-NX10W

The details description of mechanism error

Error Display	Error Message
E r - M D 1 *	Cannot eject the disc.
E r - M D 2 *	The head does not ascend.
E r - M D 3 *	The head does not descend.

	HINF (93 Pin of IC1401)
* = E EJECT complete position	< 1.0 V
* = M LOAD/EJECT halfway position	> 3 V
* = L LOAD complete position	1.31 ~ 2.35 V
* = D HEAD DOWN position	1.01 ~ 1.3 V

EEPROM WRITING PROCEDURE

● EEPROM (IC1402) writing procedure

1. Method for setting the reference temperature value

(This setting should be performed quickly at a room temperature, between 21 °C to 29 °C when the PWB is not hot.)

- When replacing the EEPROM, wait until it has cooled down.
- Connect the main unit using the single MD main PWB.
- Enter the test mode as shown on page 21.
"EJECT"
- Press the TUNER (BAND) button.
"TEMP ○○ ◆◆"
- Find the temperature correction value for the current ambient temperature on the following table. Adjust the temperature correction value using the VOLUME UP/DOWN button.

Ambient Temperature	Correction
+ 21.0 °C ~ + 23.2 °C	-1 H
+ 23.3 °C ~ + 26.8 °C	± 0 H
+ 26.9 °C ~ + 29.0 °C	+1 H

An example: When ambient temperature is 22 °C and measured temperature is 7A H
Temperature setting = 7A H - 01 H
= 79 H

* When the measured temperature fluctuates between two values, take lower one (if temperature fluctuates between 7A H and 79 H, take 79 H).

- Press the POWER button and write the temperature setting into the EEPROM.

2. Method for making settings other than the reference temperature

- Install the MD main PWB in the mechanism, and connect it to the main unit.
- Enter the test mode as shown on page 21, and insert a disc.
"AUTO AJST"
- Press the CD PLAY button seven times.
"EEPROM SET"
- Set the value according to the EEPROM DATA LIST using the VOLUME UP/DOWN button.
- Press the POWER button, and the settings will be written into the EEPROM.
- Enter the test mode again, perform an "AUTO YOBI adjustment", and write the results into the EEPROM.

EEPROM DATA LIST (Version : 01)

Focus setting

Item indication	Setting
F G ○○	9 B H
F G 2 ○○	B 1 H
F F 0 ○○	1 0 H
F F 1 ○○	7 0 H
F F 2 ○○	E 0 H
F Z H L E V ○○	E D H
F O K L E V h ○○	0 7 H
F O K L E V L ○○	0 9 H
F O S T n ○○	2 C H
D S C J G ○○	0 D H

Spin setting

Item indication	Setting
S P G ○○	1 1 H
S P G — i n ○○	6 0 H
S P G — m i d ○○	4 B H
S P G — o u t ○○	3 B H
S P G M ○○	9 6 H
S P 1 ○○	1 0 H
S P 2 ○○	9 3 H
S P 2 2 ○○	9 3 H
S P 3 ○○	E D H
S P 4 ○○	E E H
S P 5 ○○	2 0 H
S P 5 2 ○○	2 0 H
S P D L I M ○○	6 2 H
S P K L E V m ○○	1 6 H

Tracking setting

Item indication	Setting
T G ○○	4 9 H
T G 2 ○○	6 B H
T F 0 ○○	1 0 H
T F 1 ○○	6 B H
T F 2 ○○	F 0 H
T F 3 ○○	0 8 H
S V C N T 4 ○○	0 1 H
T R B L V o ○○	6 2 H
T R B L V t ○○	4 C H
T R K L V o ○○	5 B H
T R K L V t ○○	2 B H
T D P W o ○○	6 7 H
T D P W t ○○	2 1 H
S L C T o ○○	0 0 H
S L C T t ○○	5 0 H
S L C T m ○○	5 3 H
T C R S C I P ○○	1 6 H
T C R S C 0 h ○○	0 0 H
T C R S C 0 L ○○	F A H
T C R S C H h ○○	0 2 H
T C R S C H L ○○	0 2 H
C O T L V P ○○	0 A H
C O T L V r ○○	2 8 H
J P i n t ○○	0 0 H
K I K 1 0 ○○	6 4 H

Sled setting

Item indication	Setting
S L G ○○	4 6 H
S L 2 ○○	1 0 H
S L D L I M ○○	7 F H
S L D L E V ○○	1 4 H
S L K L V k ○○	6 0 H
S L K L V t ○○	3 4 H
S L K L V m ○○	6 0 H
S L B K m ○○	0 8 H
S L K r i o ○○	6 4 H
S L K r o i ○○	6 2 H
S L K l i o ○○	6 4 H
S L K l o i ○○	6 0 H
I N N E R 1 ○○	8 6 H
I N N E R u ○○	D 0 H
E J _ W A I T ○○	7 8 H

Control setting

Item indication	Setting
C O N T R L 1 ○○	0 8 H
C O N T R L 2 ○○	0 1 H
A D J T T M ○○	1 4 H
H D E Q A D ○○	9 2 H
L D E Q A D ○○	8 E H
G D E Q A D ○○	9 1 H
G D E Q A D 2 ○○	9 1 H
M D E Q B C ○○	8 C H
L D E Q B C ○○	8 F H
G D E Q B C ○○	8 A H
G D E Q B C 2 ○○	8 A H
H A L S G ○○	1 1 H
L A L S G ○○	1 1 H
G A L S G ○○	1 1 H
H A L S O F S ○○	F F H
L A L S O F S ○○	0 0 H
G A L S O F S ○○	0 0 H
A J S T ○○	0 0 H

ADJUST setting

Item indication	Setting
C O K ○○	5 8 H
F A T ○○	C 0 H
T A T ○○	3 E H
C A T ○○	4 0 H
F A B ○○	6 4 H
S T R ○○	0 B H
S F S ○○	0 D H
S T C ○○	0 D H

REC bit setting

Item indication	Setting
S P _ W R 5 0 ○○	C 0 H
S P _ W R 5 6 ○○	F E H
S P _ W R 4 4 ○○	0 0 H
S P _ W R 5 3 ○○	1 6 H
L P 2 W R 5 0 ○○	8 0 H
L P 2 W R 5 6 ○○	2 0 H
L P 2 W R 4 4 ○○	8 0 H
L P 2 W R 5 3 ○○	0 0 H
L P 4 W R 5 0 ○○	B F H
L P 4 W R 5 6 ○○	0 2 H
L P 4 W R 4 4 ○○	8 0 H
L P 4 W R 5 3 ○○	0 0 H
R V D ○○	0 1 H

DESCRIPTION OF CIRCUIT FOR 1-BIT UNIT (SEE THE WIRING DIAGRAMS ON PAGES 70 AND 71.)

Input

Signals over certain level input from BIA106 are sliced into waveforms by RA173 (RA174), DA126, and DA127 (DA128, DA129).

The slice levels depend on the output of the unit.

In case of 25 W output setting, the level is set to gain distortion of approx. 10 % during output.

The level on the positive side is determined by RA175, RA177 and RA179 and that on the negative side by RA176, RA178, and RA180, respectively.

After DC cut by CA108, the signals are input to AD conversion IC.

$\Delta\Sigma$ modulation 1-bit conversion

The signals input to the AD conversion IC are converted into 1-bit signals for differential output.

For detailed technical description of 1-bit signal conversion, refer the technical manual for SM-SX100 already published.

Dead time and level shift

When the 1-bit signals are output from the AD conversion IC, the leading edge of the waveform is delayed for 20 to 25 nsec by DA103 (DA102, DA101, and DA100), RA115 (RA114, RA113, and RA112), and CA155 (CA154, CA153, and CA152), compared with the trailing edge.

As mentioned below, this operation is for reducing switching circuit loss in the final stage.

The signals are input to the buffer IC (AND gate IC) for the waveform format and are output.

Then the DC level is shifted by CA115 (CA114, CA113, and CA112), DA107 (DA106, DA105, and DA104) and RA120 (RA119, RA118, and RA117). This is because the buffer IC operates between ground and + 5 V, while the next stage IC, gate driver (ICA101 to ICA 104), operates between the negative power source and + 9 V.

The shift quantity is output with amplitude of 5 V, based on the voltage raised by DA108 and DA109 from the bottom by approx. 2 V.

Output of gate driver

The level-shifted signals are input to the gate driver IC (HIP2100).

Since the final stage FET array is H bridge, two gate drivers are used for 1 CH.

At this time, + and - of differential signals are input by crossing diagonally for the two gate drivers.

(Positive output to ICA101 (ICA103) Hin and ICA102 (ICA104) Lin, and negative output to ICA102 (ICA104) Hin and ICA101 (ICA103) Lin.)

Output of the gate driver drives the gate of FET array connected to H bridge.

FET consists of the lower stage where source is connected to the negative power and the upper stage where drain is connected to the positive power. Lout and Hout are connected to the gate, respectively.

The lower stage FET is driven with 9 V amplitude based on the negative power because the reference voltage is same as in the gate driver. The upper stage FET does not operate as it is because it is based on the positive power. Therefore this gate drive IC (HIP2100) makes up bootstrap, by feeding back from FET output.

As a result, amplitude of Hout is approx. + 6 V of the positive power, based on the negative power.

Low-pass filter circuit

1-bit signals switched at FET are converted into analog signals via the low-pass filter consisting of LA100 (LA102, LA104, and LA106) and CA142 (CA143, CA150, and CA151). Property of the low-pass filter is flat up to 20 kHz and then is attenuated by approx. 3 dB at around 30 kHz.

Dynamic feedback circuit

1-bit signals switched at FET of output stage are amplified between the positive and negative power sources.

With resistance divided, 1-bit signals are fed back to AD conversion IC, via NF resistance 75 kohms.

P-P voltage, which becomes approx. 4 to 7 V, is determined by the regulation property of the transformer depending on the output level.

TO CHECK AND CANCEL PROTECT CIRCUIT DETECTION LINE

1. After power supply, the microcomputer (ICD01) built in this model consecutively monitors the following errors ① to ④. If any error occurs, 'Er_AP00' is displayed and all power supply except for the one to drive the microcomputer is interrupted.

- ① Abnormal output voltage drop of each regulator (below approx. 3 V)
- ② Excessive output offset of 1-bit amplifier (over approx. 2 V of DC potential)
- ③ Excessive main supply current of 1-bit amplifier (over DC approx. 5.5 A)
- ④ Abnormalities of cooling fan motor and its driving circuit (stop, etc.)

2. Criteria for judging errors of built-in microcomputer and checking/cancelling detection line

Condition: The voltage of microcomputer pin 7 (PROTECT) lowering below 3.5 V is regarded as an error.
(In the demonstration mode to stop cooling fan, the voltage of 1.5 V is regarded as an error.)

Checking/Cancelling

Caution: When interrupting the PROTECT detection line, the microcomputer does not operate protectively. In case of an error caused by output short-circuit of each regulator, components and board on the spot may be burnt. Do not interrupt the PROTECT detection line of the microcomputer, if any cause other than the above mentioned is not identified. (For approx. 0.5 seconds after error detection, power is supplied; power supply can be checked with an oscilloscope, etc. As leading and trailing edges of the voltage are so steep that the power supply cannot be checked by the tester.)

① Abnormal output voltage drop of each regulator

Connect the measuring apparatus (oscilloscope, etc.) to the stabilized output of the regulator to turn on the unit power switch.

If the stabilized output is far smaller (below approx. 3 V) than that shown in the circuit diagram, the regulator and the circuit to be supplied with the power may be defective.

② Excessive output offset of 1-bit amplifier

After disconnecting the CNPV99 (speaker output connector of 1-bit amplifier), turn on the unit power for the normal operation. (No sound is heard from the speaker.)

* After repairing, adjust the output offset voltage of 1-bit amplifier as shown on page 28.

If the protective operation is observed even after disconnecting the CNPV99, circuits QV95 to QV98 (DC voltage detection of speaker output) may be defective.

③ Excessive main supply current of 1-bit amplifier

After disconnecting the CNP801 (main power source connector of 1-bit amplifier), turn on the unit power for the normal operation. (No sound is heard from the speaker.)

* After repairing, adjust the output offset voltage of 1-bit amplifier as shown in page 28.

If the protective operation is observed even after disconnecting the CNP801, the circuit of ICD98/ICD99 (supply current detection circuit) may be defective.

④ Abnormalities of cooling fan motor and its driving circuit (stop, etc.)

Turn on the unit to visually inspect the cooling fan motor till the protective operation starts.

* If the fan is rotating forcefully;

QV94, contact of the CNPV97 (connector for fan motor), or fan may be defective. (CNPV97 pin 3 potential during normal fan operation is approx. 0 V.)

* When the fan is not rotating or seems to be stopping.

If it is checked that the CNPV97 (connector for fan motor) is not defective and it is also checked by oscilloscope, etc that voltage of pin 1 (red line of fan) is approx. 6 V, the fan may be defective.

When the voltage of the CNPV97 pin (1) is far lower than 6 V, and base voltage of QV93 is almost the same as that shown in the circuit diagram, the fan or the circuit consisting of PSV801, QV85, QV87, and QV93 may be defective.

When the base voltage of QV85 is 0 V or extremely lower than the value shown in the circuit diagram (3.5 V), the system control terminal of SOV90 may be defective.

TEST MODE

From power off state to TEST mode

Press the +10 Track Up button (+10) and MD REC LEVEL/MD Fast Forward button (▶▶) simultaneously while the POWER button of the main unit is on to obtain the TEST mode. Initially, the version is displayed.

Thereafter press the MD REC LEVEL/MD Fast Forward button (▶▶) to select the TEST mode and then press the +10 Track Up button (+10) to determine it.

Press the DIRECT key during version display to obtain the designated TEST mode directly.

TEST MODE

No.	TEST MODE	DIRECT KEY	DISPLAY
1	CD TEST	CD PLAY (CD ▶)	CD MENU
2	MD TEST	MD PLAY (MD ▶)	MD MENU
*3	MD DISP TEST	ERASE	MD DIS MENU
*4	REC AGING	MD REC (● REC)	REC MENU
5	AUX TEST	AUX (DEMO)	AUX MENU
*6	CALENDAR TEST	CD STOP (CD ■)	DATE MENU
7	KEY TEST	VOLUME UP (VOLUME ^)	KEY MENU
8	TUNER TEST	TUNER/BAND	TUN MENU
*9	LINE TEST	MD STOP (MD ■)	MD-LINE MENU

The TEST modes 3, 4, 6 and 9 marked with * are under technical examination; their descriptions are omitted.

Cancelling the TEST mode

In each TEST mode, press the POWER button to display COMPLETE for 1 second and then cancel the TEST mode.

In the MD TEST mode, press the POWER button again.



Figure 35

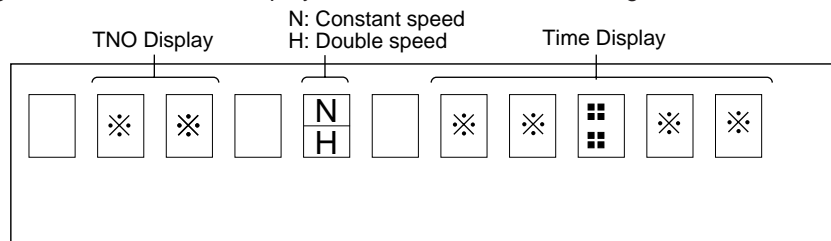
SD-NX10W

1. CD test

Outline: Read-out of the set value after automatic adjustment (for judging difference from initial value)
 Forced operation of pickup (Inner/Outer circumference feed)
 During the PLAY mode, the number of errors accumulated for 10 seconds (750 frames) is displayed.

Basic CD operation by CD-PLAY button

During the TEST mode, the display is turned on and the following buttons become effective.



Operation

- CD-PLAY:**
 CD operation according to steps
 STEP 1: LD ON by pressing CD PLAY button in the stop mode
 STEP 2: Focus ON by pressing CD PLAY button in STEP 1
 STEP 3: CLV servo ON by pressing CD PLAY button in STEP 2
 STEP 4: Tracking servo ON by pressing CD PLAY button in STEP 3
 STEP 5: Sub-code read-out/display by pressing CD PLAY button in STEP 4
 * Keep pressing the CD PLAY button for more than 1 second to shift to STEP 5 directly.
- CD STOP:**
 To stop the playback operation (shifting from each step to the stop mode)/
 To reset display (during display of coefficient)
- CD SKIP-UP (TUNING ^ / ►►):**
 Forcible shift in the pickup FWD direction
- CD SKIP-DOWN (TUNING v / ◄◄):**
 Forcible shift in the pickup REV direction
 Sliding is stopped when the PU_IN switch is turned on.
- MD-STOP:**
 Automatic adjustment (at the present pickup position)
- POWER:**
 Cancelling the test mode
- REC MODE:**
 To read the coefficient register while the CD operation is stopped/
 To display the error number during CD playback
- VOLUME UP/DOWN:**
 Normal volume control
- CD/MD OPEN/CLOSE:**
 Normal open/close operation
- CD EJECT:**
 Normal CD eject

Readout of the adjusted value

Press the REC-MODE button during the stop mode to read the following items.

Press the C-STOP button to return to the normal display.

Item	Display	Max	Type	Min
Focus balance	__ F B : × ×	7 F	0 0	8 0
Focus gain	__ F G : × ×	1 F	0 0	E 0
Tracking balance	__ T B : × ×	7 F	0 0	8 0
Tracking gain	__ T G : × ×	1 F	0 0	E 0
Focus offset	F O F F : × ×	7 F	0 0	8 0
Tracking offset	T O F F : × ×	7 F	0 0	8 0
RFRP	R F R P : × ×	7 F	0 0	8 0

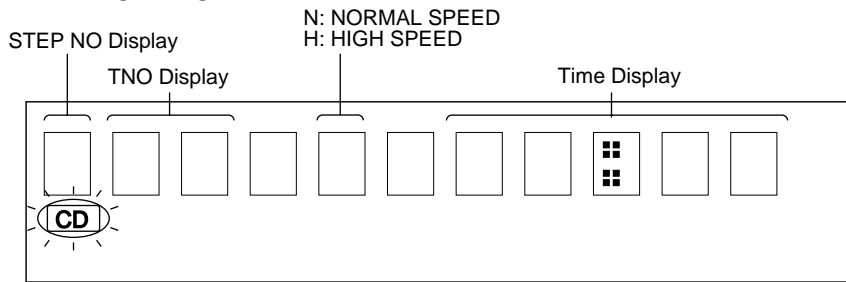
Even if the CD-PLAY button is pressed initially, automatic adjustment is not obtained. Press the MD-STOP button in the stop mode to gain CD-PLAY for automatic adjustment. Thereafter press the CD-STOP button to stop automatic adjustment. Press the REC-MODE button to display automatically adjusted values.

Readout of error numbers

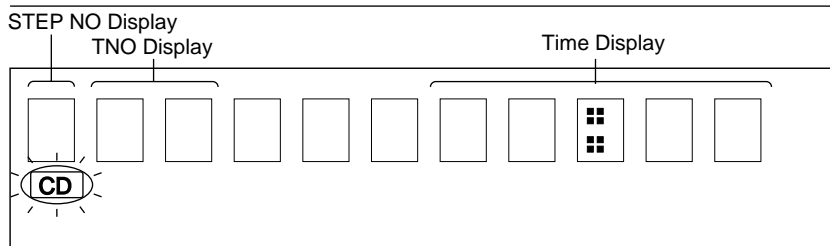
Press the REC-MODE button during playback to display the number of errors accumulated for 10 seconds (750 frames).
 Press the REC-MODE button during ERR display to return to the normal TEST mode display.

Double-speed mode

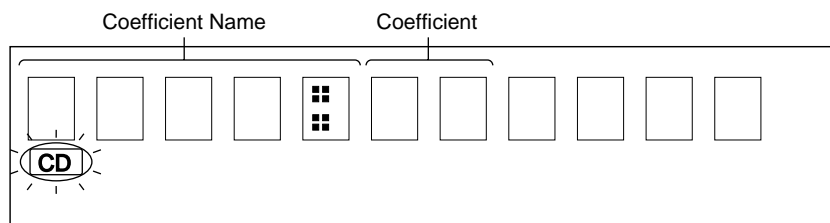
Press the MD-REC button in the stop mode to switch to the double/constant-speed mode cyclically.
During the double-speed mode, a flag mark lights up.

CD TEST

[CD] Flickering



1. STEP No.: 0 when stopped
2. Time display: Blank from the stop mode to STEP 4



Readout of coefficient

2. MD test mode (Refer to page 20 and after.)

Button used during MD test mode

Button Name	Function
CD PLAY	To feed the menu of the TEST mode (1) (to feed the menu relating to adjustment and EEPROM)
TUNER/BAND	To feed the menu of the TEST mode (2) (to feed the menu mainly relating to continuous playback and recording)
AUX/DEMO	To feed the menu of the TEST mode (3) (to feed the menu of INNER and JUMP SELECT, etc.)
MD REC	To feed the menu of the TEST mode in reverse (to feed the menu in each test mode in reverse)
MD PLAY	To select, determine and start the menu
MD STOP	To stop each test item and to select the next upper menu
MD SKIP-UP (▶▶▶)	1. Forced slide feeding (FWD) 2. JUMP operation 3. Address setting value up, etc.
MD SKIP-DOWN (◀◀◀)	1. Forced slide feeding (REV) 2. JUMP operation 3. Address setting value down, etc.
VOLUME UP	1. Forced UNLOAD of DISC 2. Set value UP
VOLUME DOWN	1. Forced LOAD of DISC 2. Set value DOWN
CD STOP	1. To switch laser by EJECT 2. To switch display during continuous playback, etc.
POWER	To operation mode without automatic adjustment
MD EJECT	Normal EJECT operation

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5. AUX test mode

Outline: To test the AUX operation

Operation

- Press the VOL-UP/DOWN button.
MIN (0) \longleftrightarrow 1 \longleftrightarrow 250 \longleftrightarrow MAX (40)
(The volume can be switched among 4 levels.)
- Switching of the graphic equalizer and switching test for X-BASS ON/OFF and SURROUND ON/OFF are possible.
- Press the POWER button to exit the AUX test mode.

7. KEY test

Outline: To check if KEY data are input to the microcomputer accurately

Operation

All lights of segments on FL go off while the keys are not effective.

Segments corresponding to the keys are lit up as shown below.

The power button is an exception; 2 seconds after all lights are lit, the TEST mode is cancelled.

KEY	Segment
POWER	TEST mode cancelled 2 seconds after all lights are lit
VOLUME UP	kHz
VOLUME DOWN	MHz
TUNER/BAND	[FM]
AUX (DEMO)	[AUX]
ERASE	TOC
MD EJECT	AM
MD PLAY	PM
MD STOP	[MD]
MD REC	REC MARK
REC MODE	LP2
PLAY-MODE	REPEAT MARK
+10	LP4
MD SKIP-UP	REC
MD SKIP-DOWN	PLAY
CD/MD OPEN/CLOSE	RANDOM
CD EJECT	FLAG MARK
CD PLAY	PLAY MARK
CD STOP	[CD]
CD SKIP-UP (TUNING \wedge / $\blacktriangleright\blacktriangleright$)	[ST]
CD SKIP-DOWN (TUNING \vee / $\blacktriangleleft\blacktriangleleft$)	STEREO

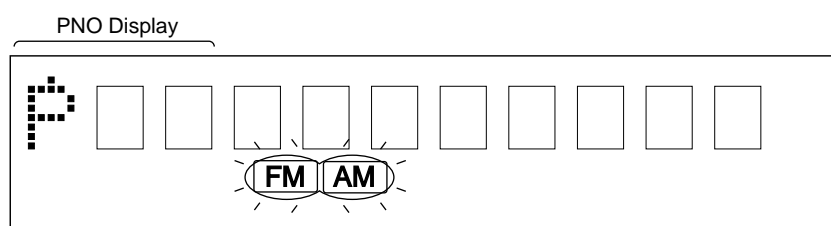
8. TUNER TEST

Outline: To test the accurate operation of the tuner

The following presets are written.

- Reception of Preset 1.
- Press the POWER button to cancel the TEST mode. In this case, preset is entirely erased.

Preset memory in the TUNER TEST mode										
P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	P10	Span
87.50	108.00	90.00	106.00	98.00	531 k	1602 k	603 k	1404 k	990 k	9 kHz/50 kHz
87.5	108.0	90.0	106.0	98.0	530 k	1620 k	600 k	1400 k	990 k	10 kHz/100 kHz



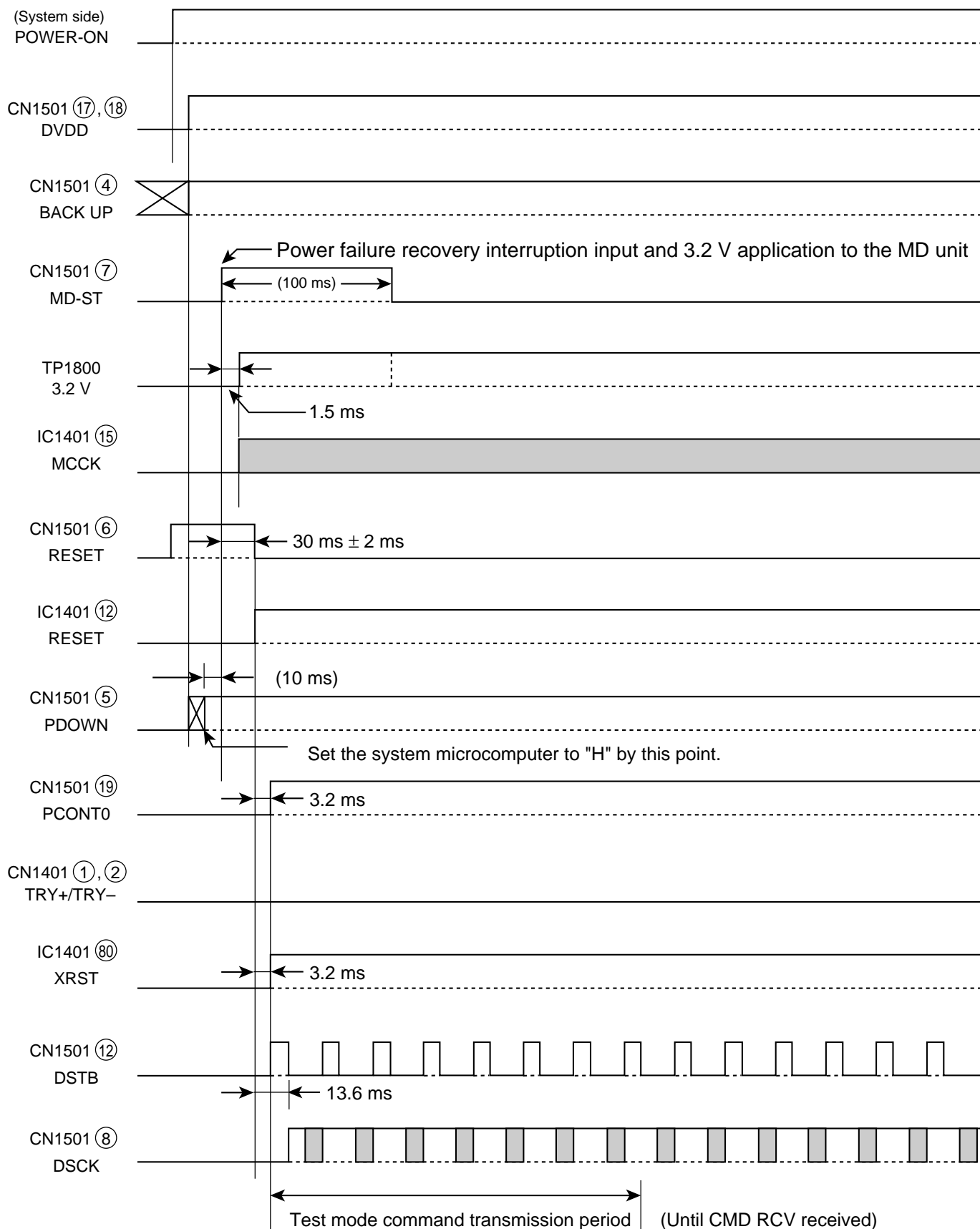
TUN TEST

FM/AM Flickering

Figure 38 TEST MODE MENU

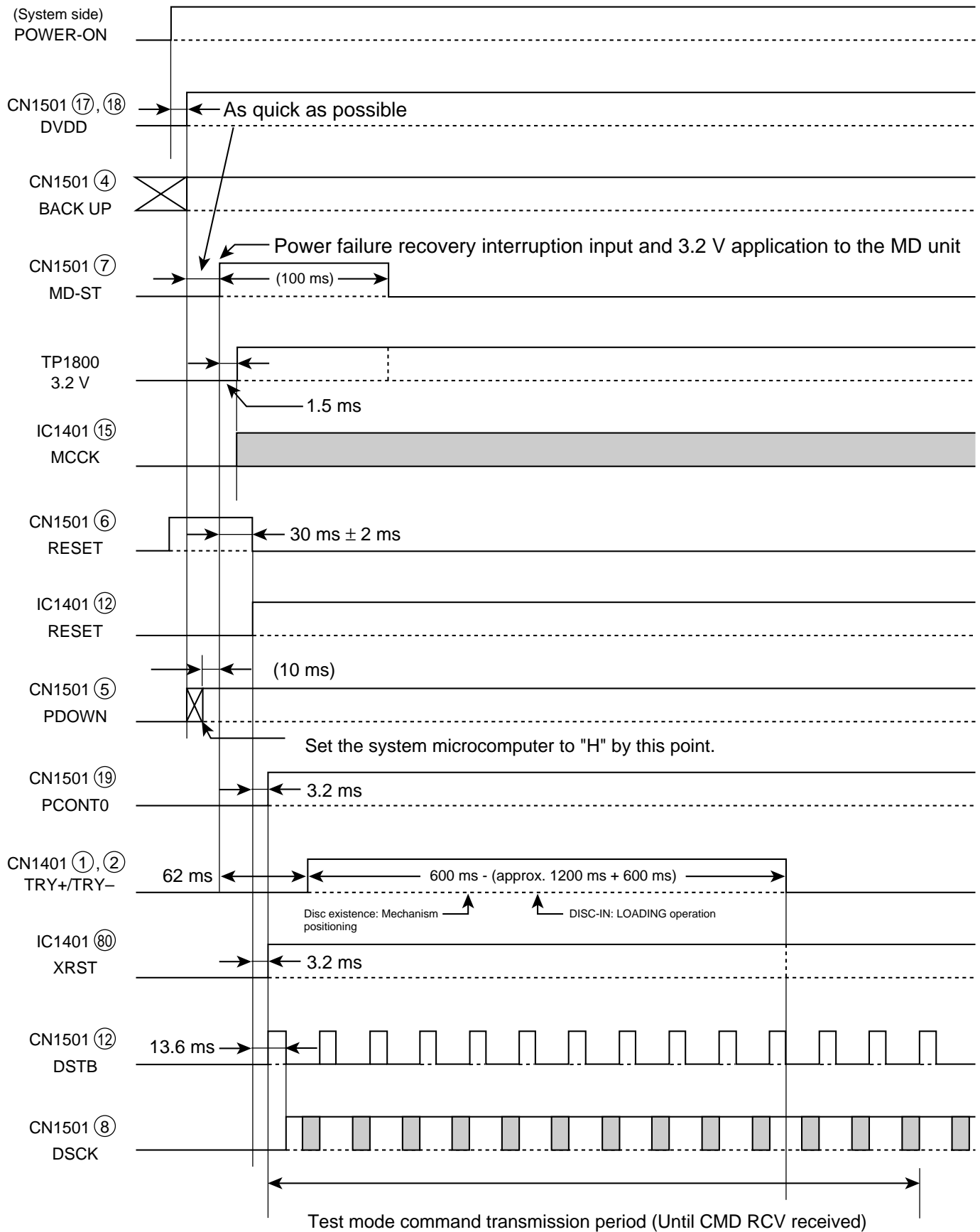
MD power ON time chart

Power-on sequence for the MD unit (when resetting or starting it ① : no disc)




SD-NX10W

Power-on sequence for the MD unit (when resetting or starting it ② : DISC IN or disc existence)



NOTES ON SCHEMATIC DIAGRAM

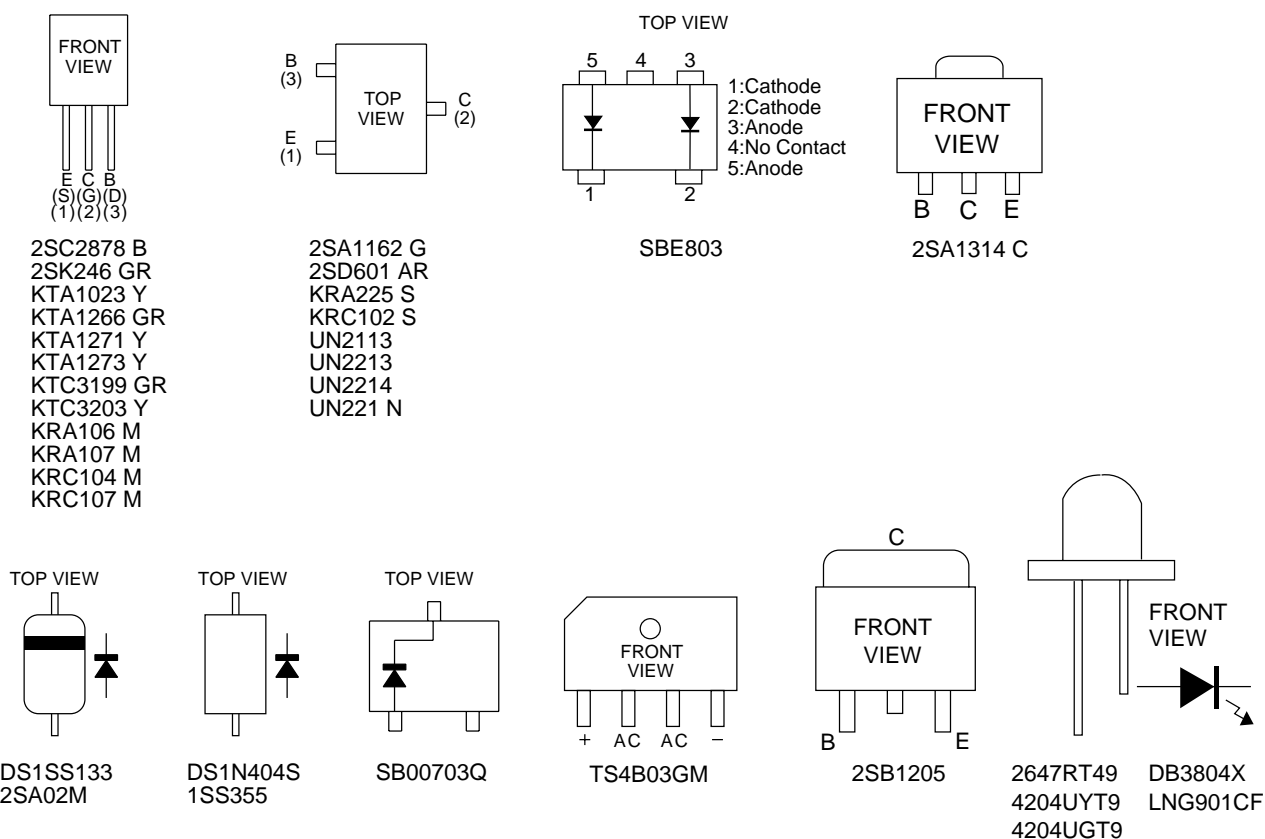
- Resistor:
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
 1. In the tuner section, indicates FM stereo
 2. In the CD section, the CD is stopped.
- Parts marked with "△" () are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW601	SPAN SELECTOR	9 kHz/50 kHz— 10 kHz/100 kHz
SW901	VOLTAGE SELECTOR	110 V—127 V— 220 V—230-240 V
SW1930	WRITE PRO	ON—OFF
SW1931	DISC MEDIA	ON—OFF
SW1932	LOADING	ON—OFF
SW1933	RECORD	ON—OFF
SW1934	PLAY	ON—OFF
SW1936	LEAD IN	ON—OFF
SWD02	ON/STAND-BY	ON—OFF
SWD03	TUNER (BAND)	ON—OFF
SWD04	AUX (DEMO)	ON—OFF
SWD05	CD FAST FORWARD/TUNING UP	ON—OFF
SWD06	CD FAST REVERSE/TUNING DOWN	ON—OFF
SWD07	CD PLAY/PAUSE	ON—OFF

REF. NO	DESCRIPTION	POSITION
SWD08	CD STOP	ON—OFF
SWD09	CD EJECT	ON—OFF
SWD10	MD +10 TRACK UP	ON—OFF
SWD11	VOLUME DOWN	ON—OFF
SWD12	VOLUME UP	ON—OFF
SWD13	CD/MD COVER OPEN/CLOSE	ON—OFF
SWD14	MD REC	ON—OFF
SWD15	MD STOP	ON—OFF
SWD16	MD PLAY/PAUSE	ON—OFF
SWD17	MD DOWN	ON—OFF
SWD18	MD UP	ON—OFF
SWD19	MD EJECT	ON—OFF
SWD20	PLAY MODE	ON—OFF
SWD21	ERASE	ON—OFF

TYPES OF TRANSISTOR AND LED



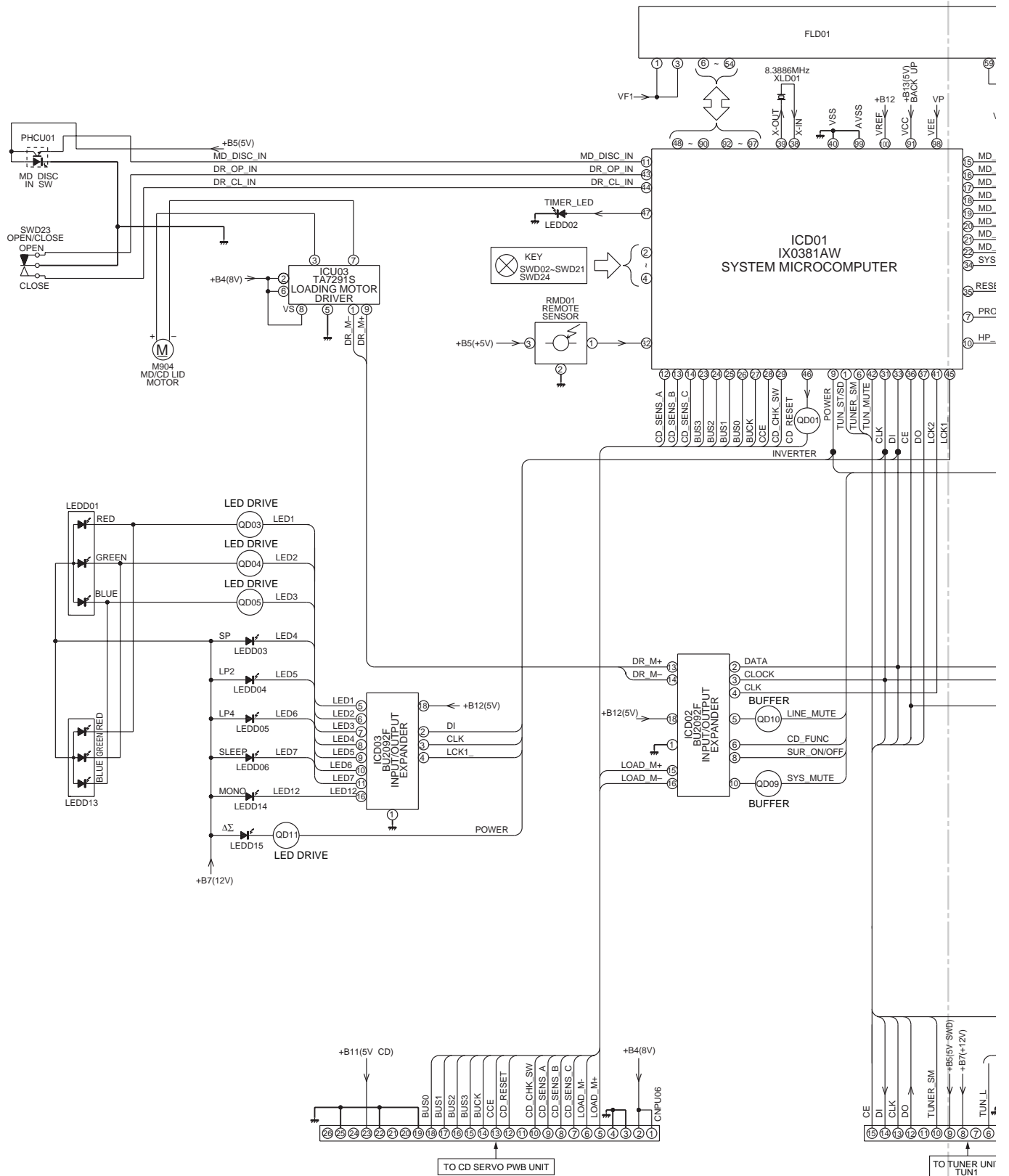


Figure 42 BLOCK DIAGRAM (1/7)

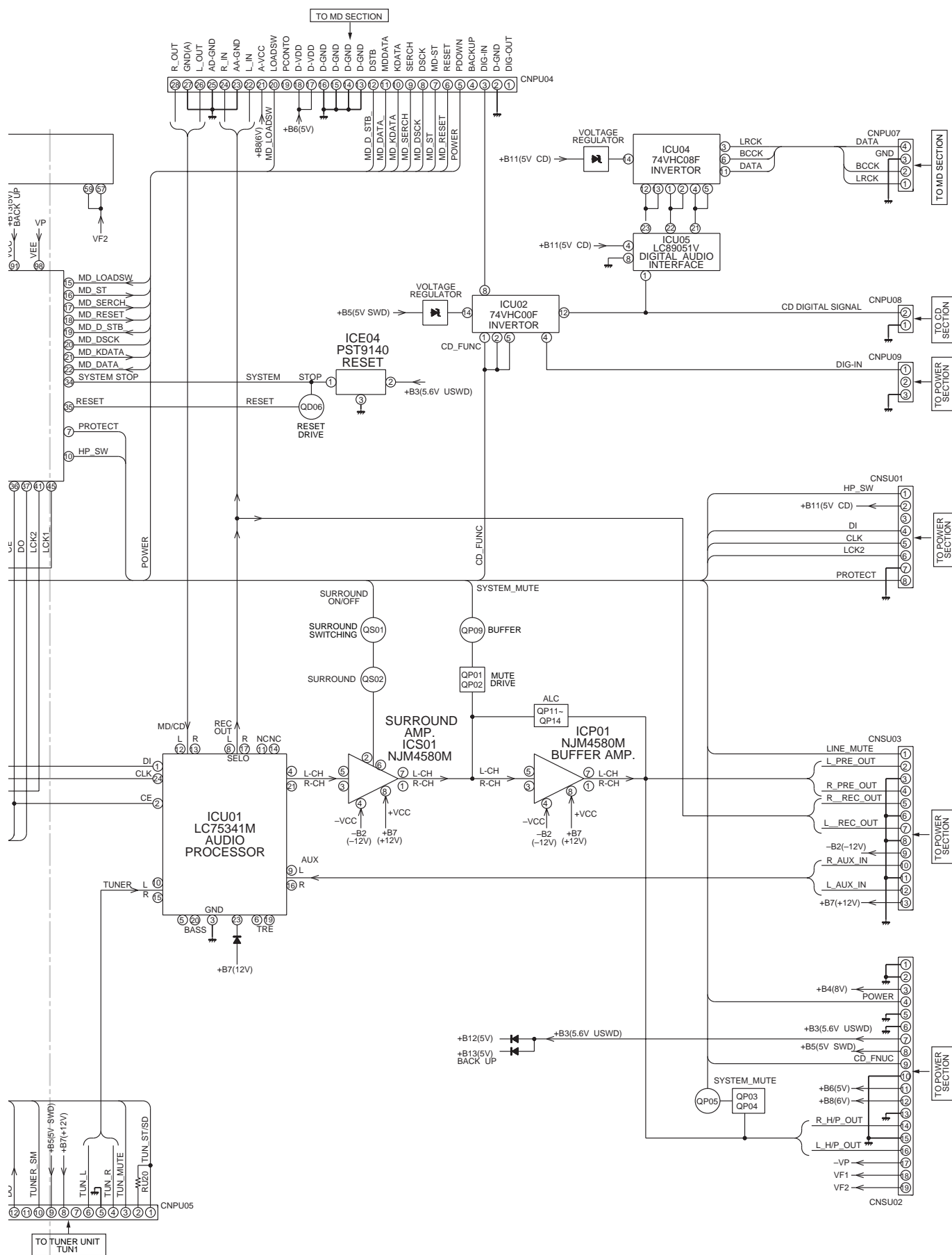


Figure 43 BLOCK DIAGRAM (2/7)

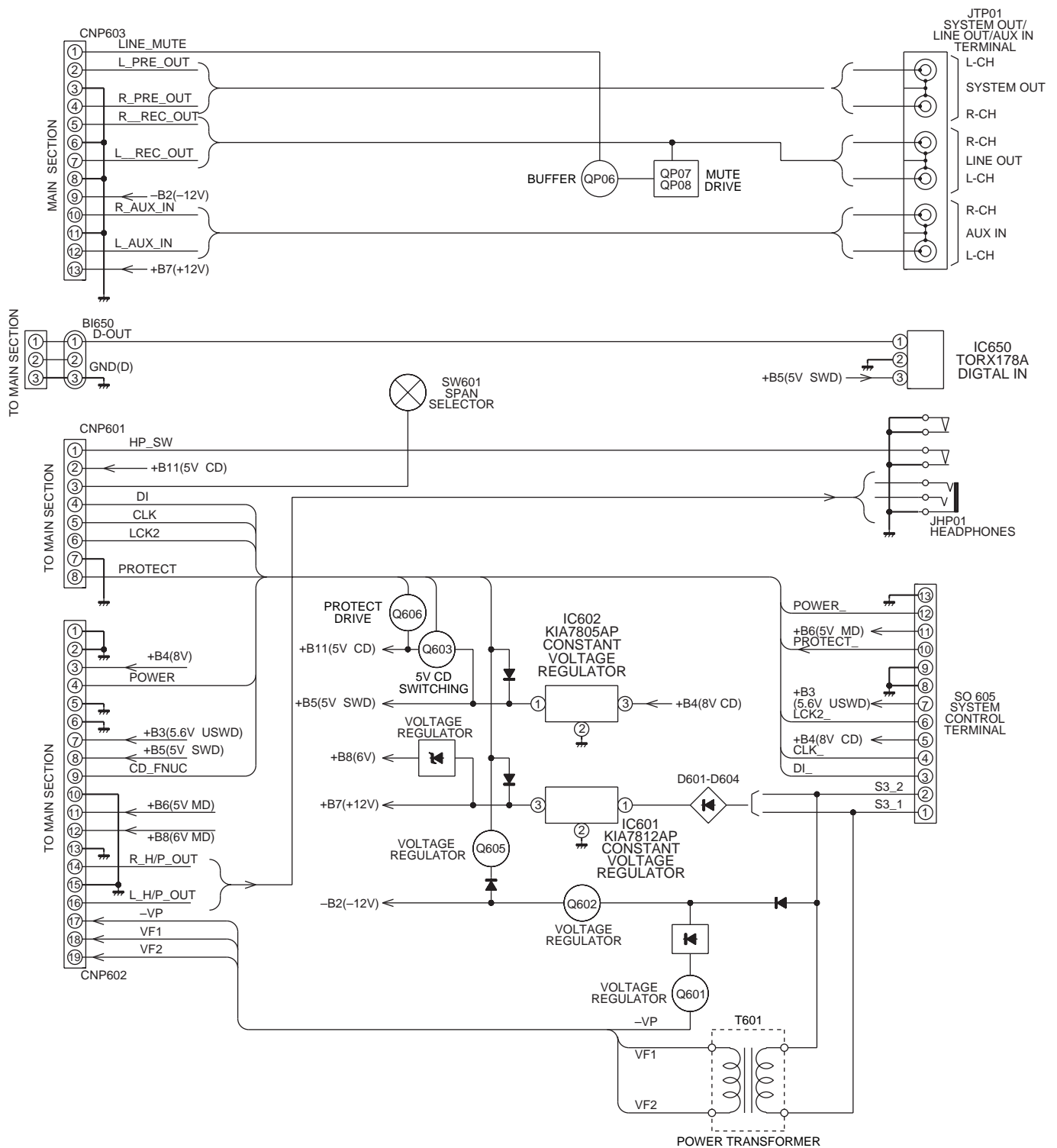


Figure 44 BLOCK DIAGRAM (3/7)

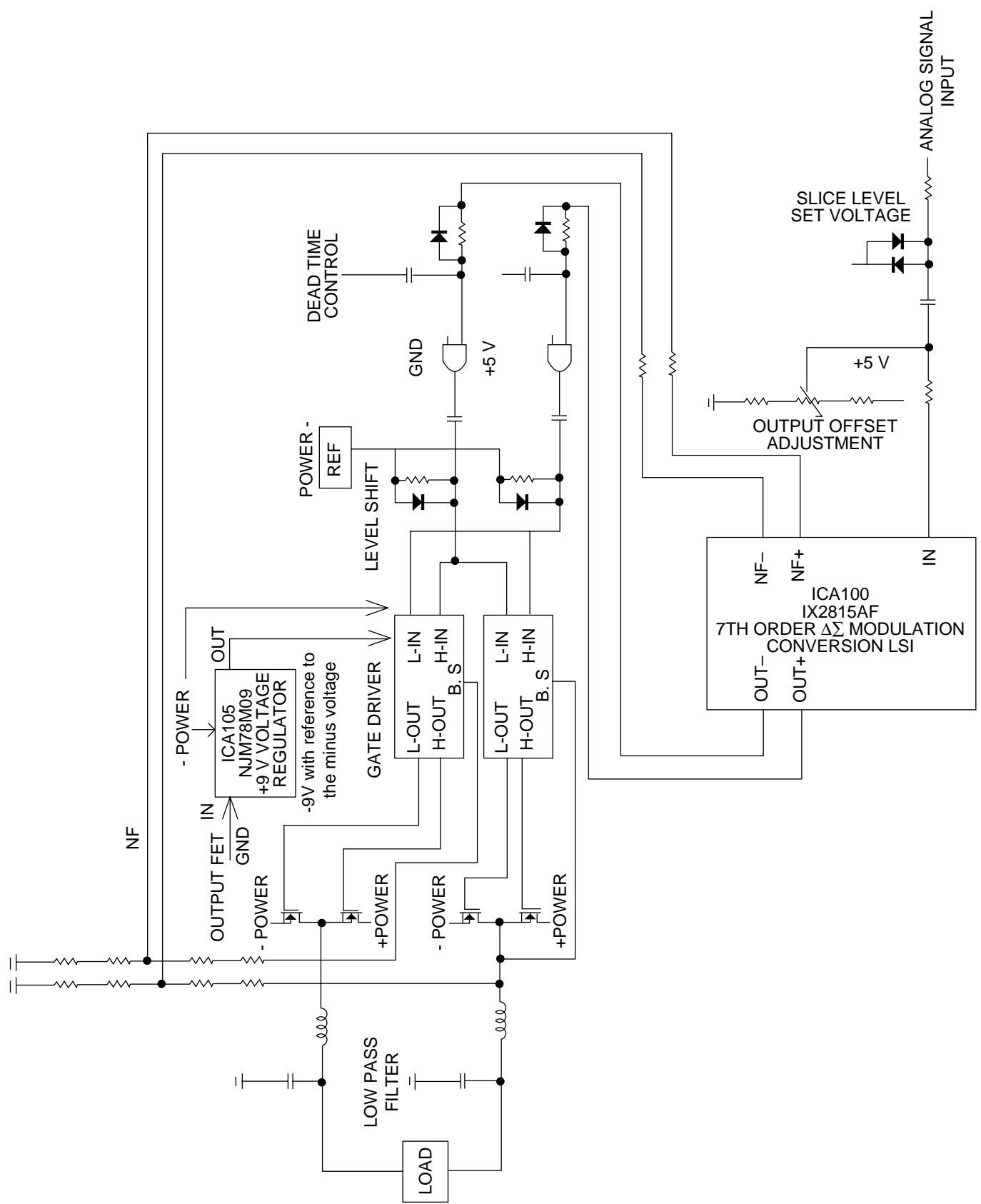


Figure 45 BLOCK DIAGRAM (4/7)

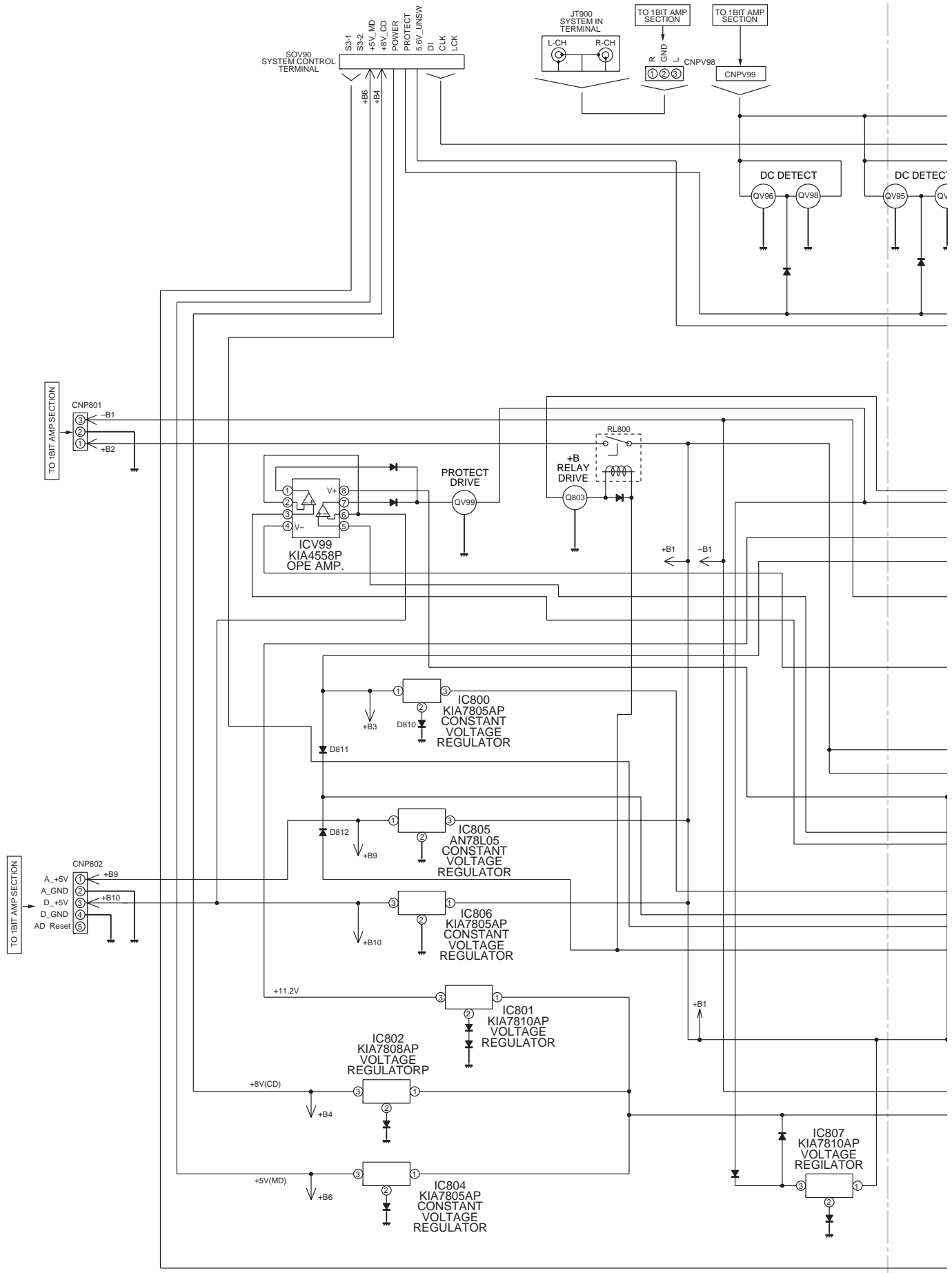


Figure 46 BLOCK DIAGRAM (5/7)

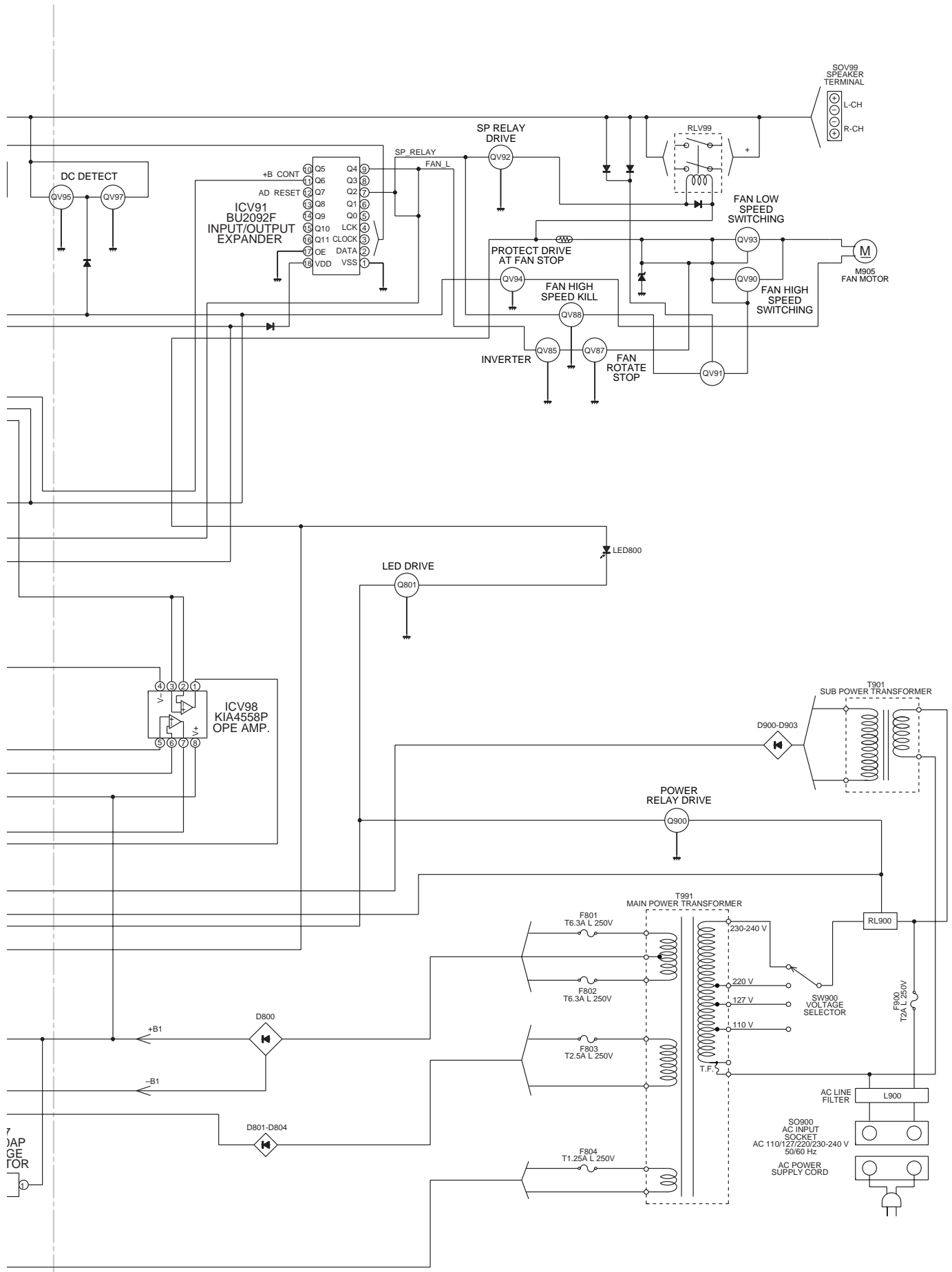


Figure 47 BLOCK DIAGRAM (6/7)

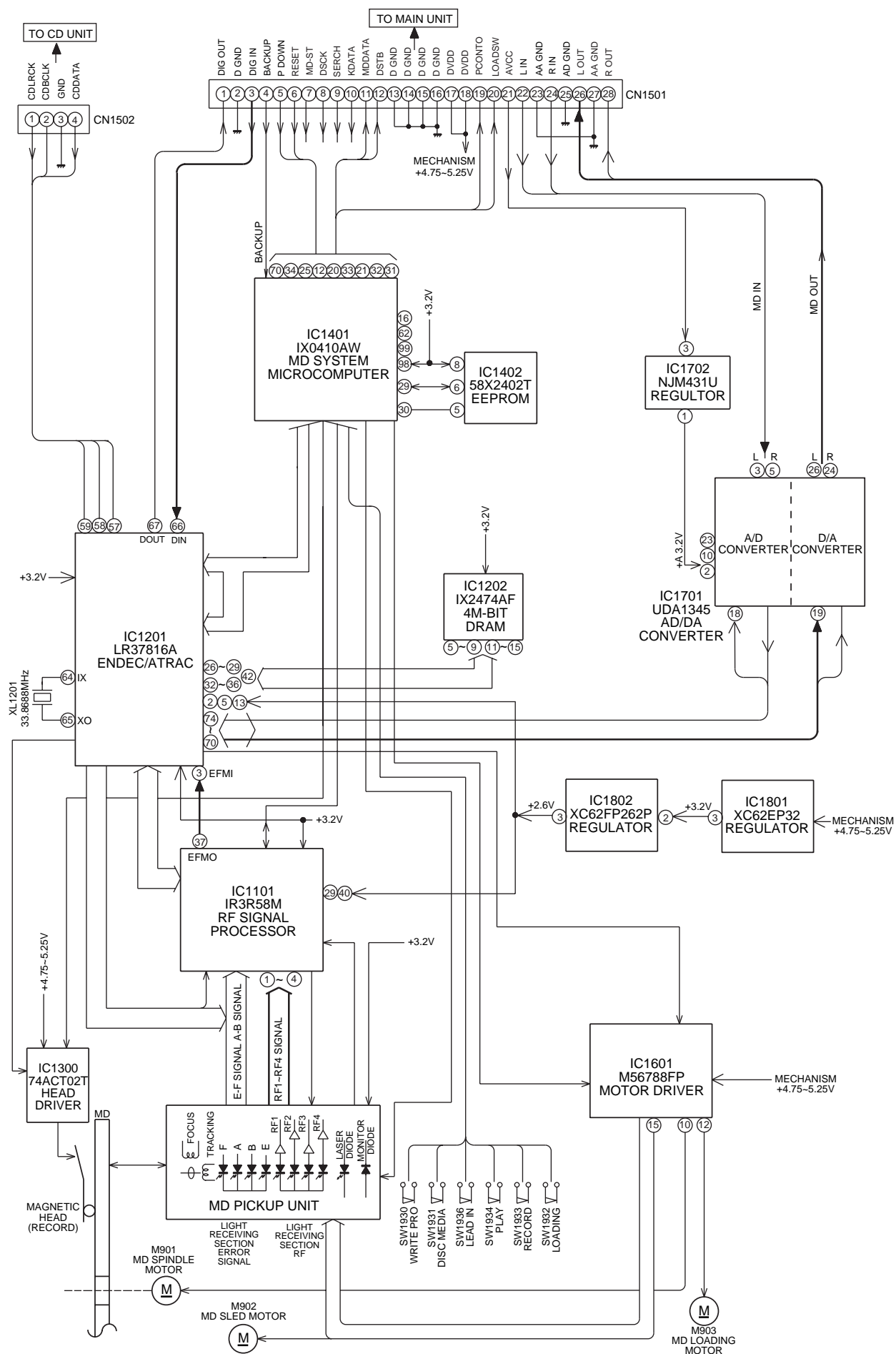


Figure 48 BLOCK DIAGRAM (7/7)

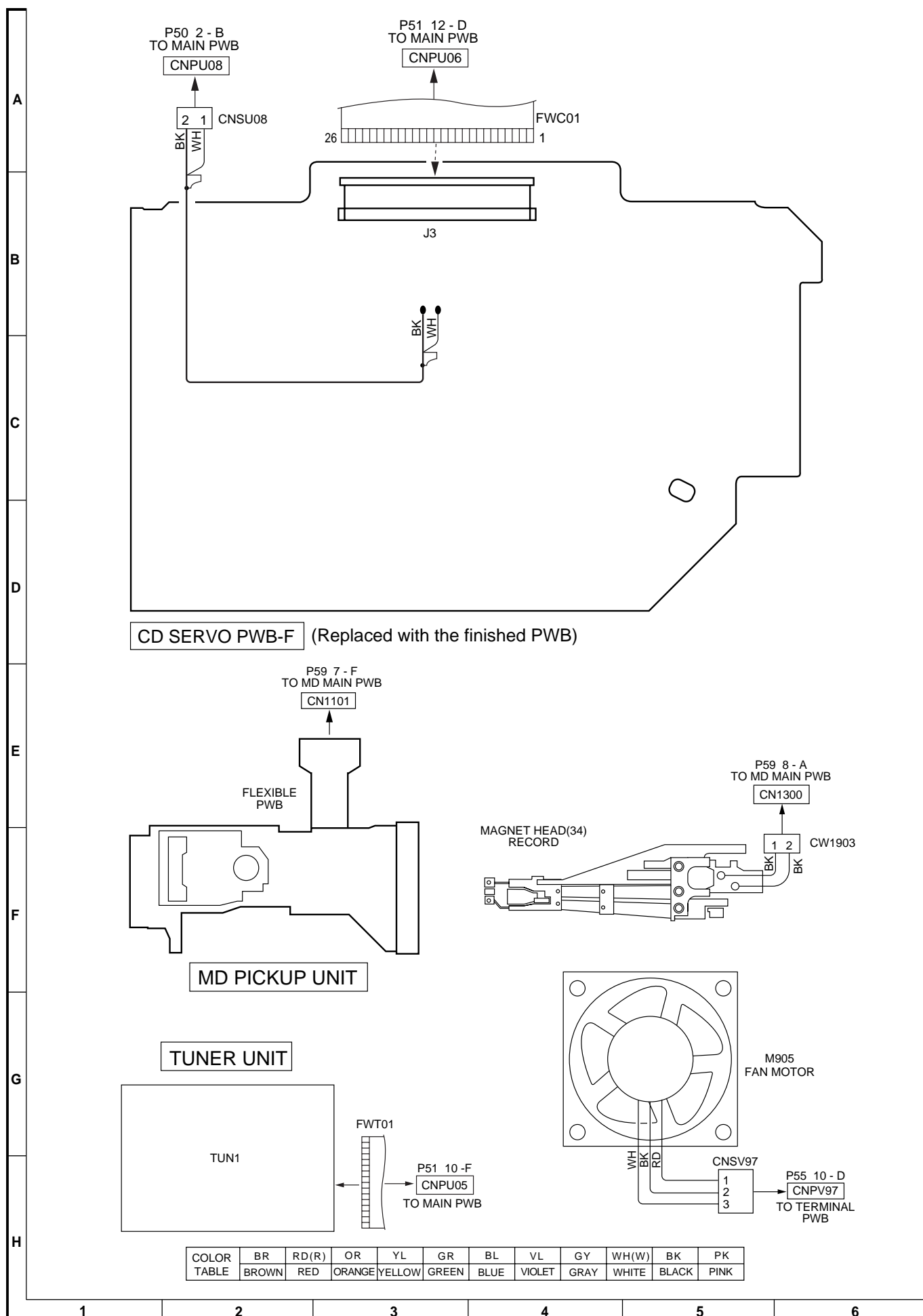


Figure 49 WIRING SIDE OF P.W.BOARD (1/11)

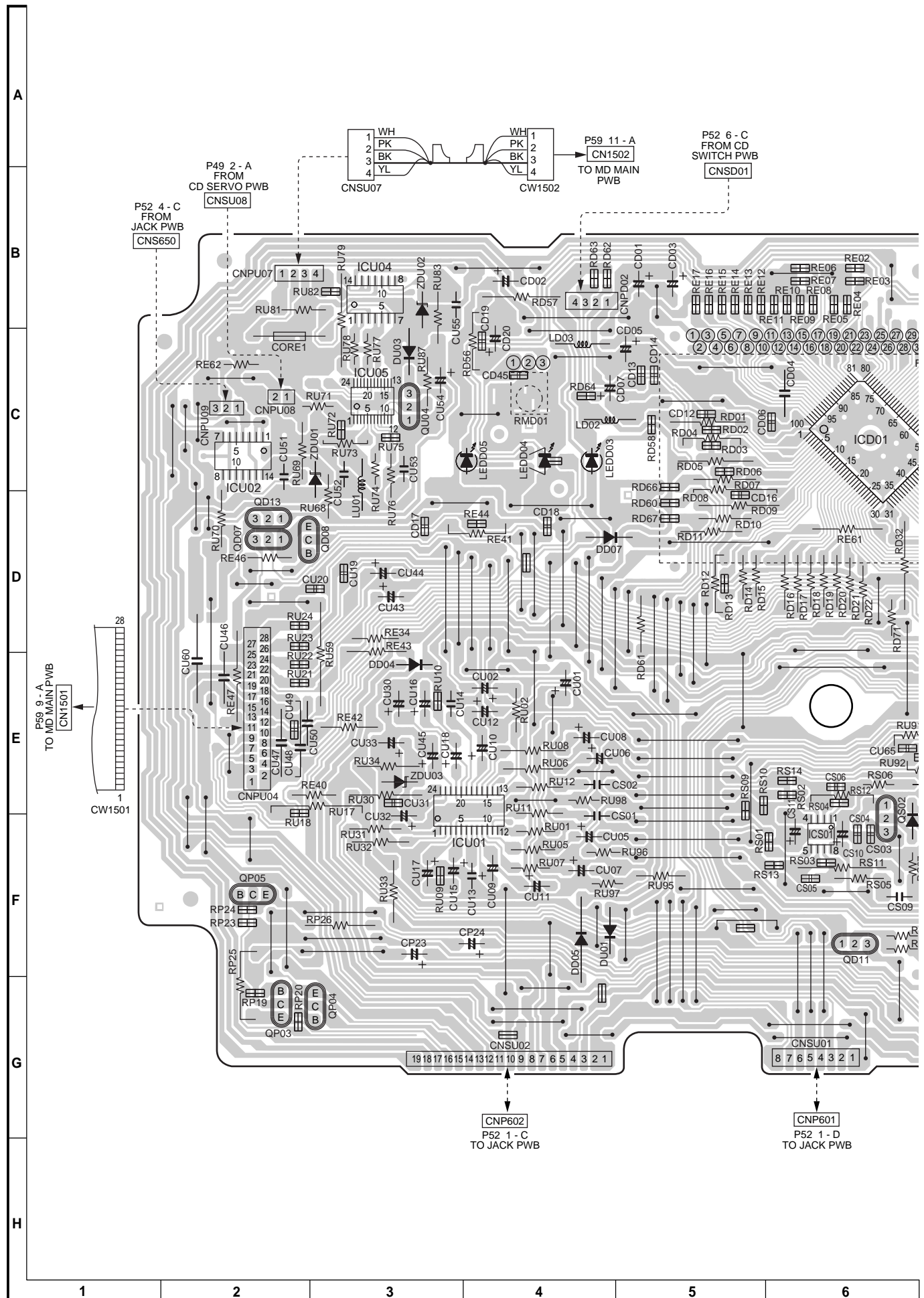


Figure 50 WIRING SIDE OF P.W.BOARD (2/11)

MAIN PWB-A1

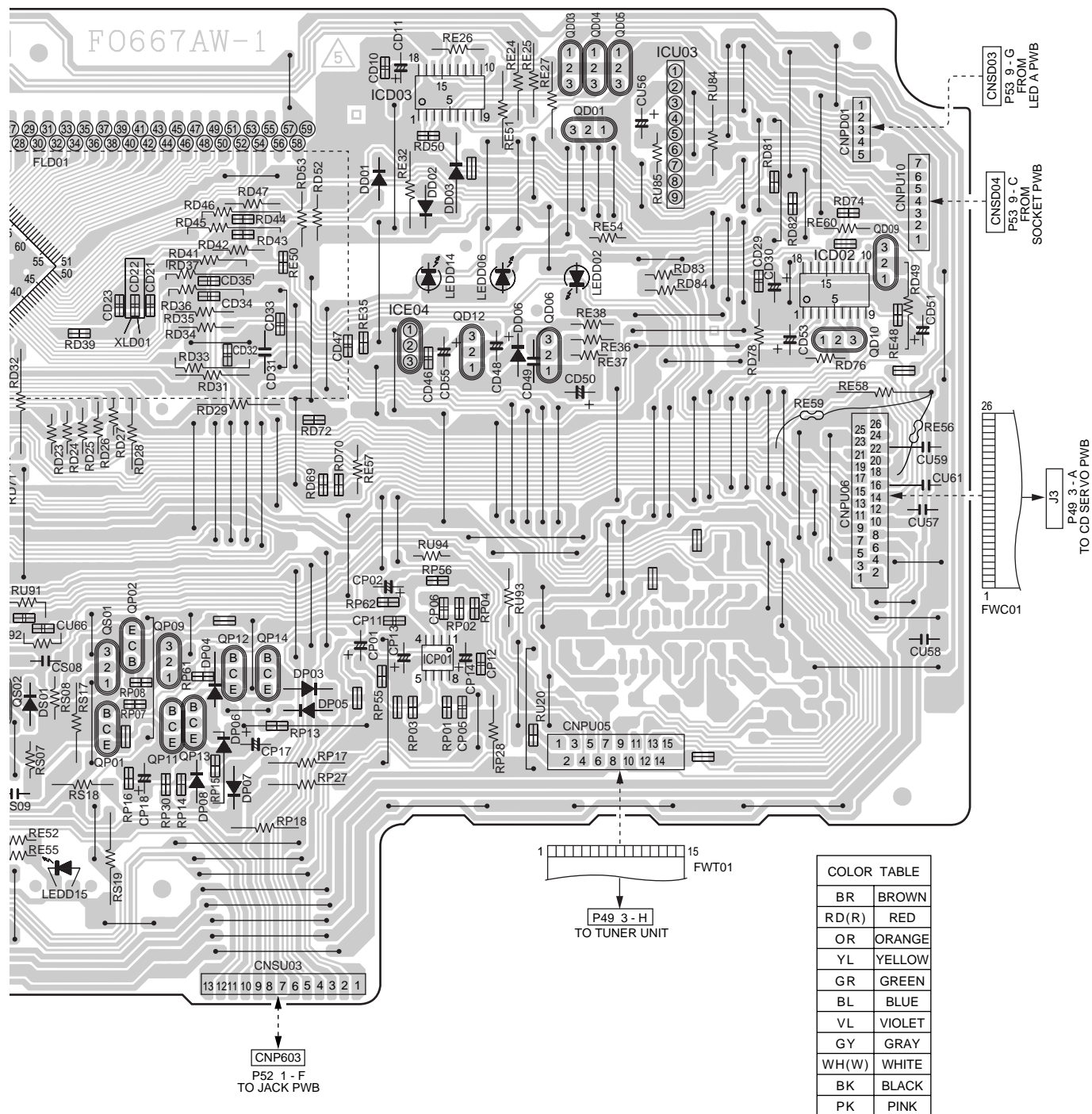


Figure 51 WIRING SIDE OF P.W.BOARD (3/11)

- 52 -

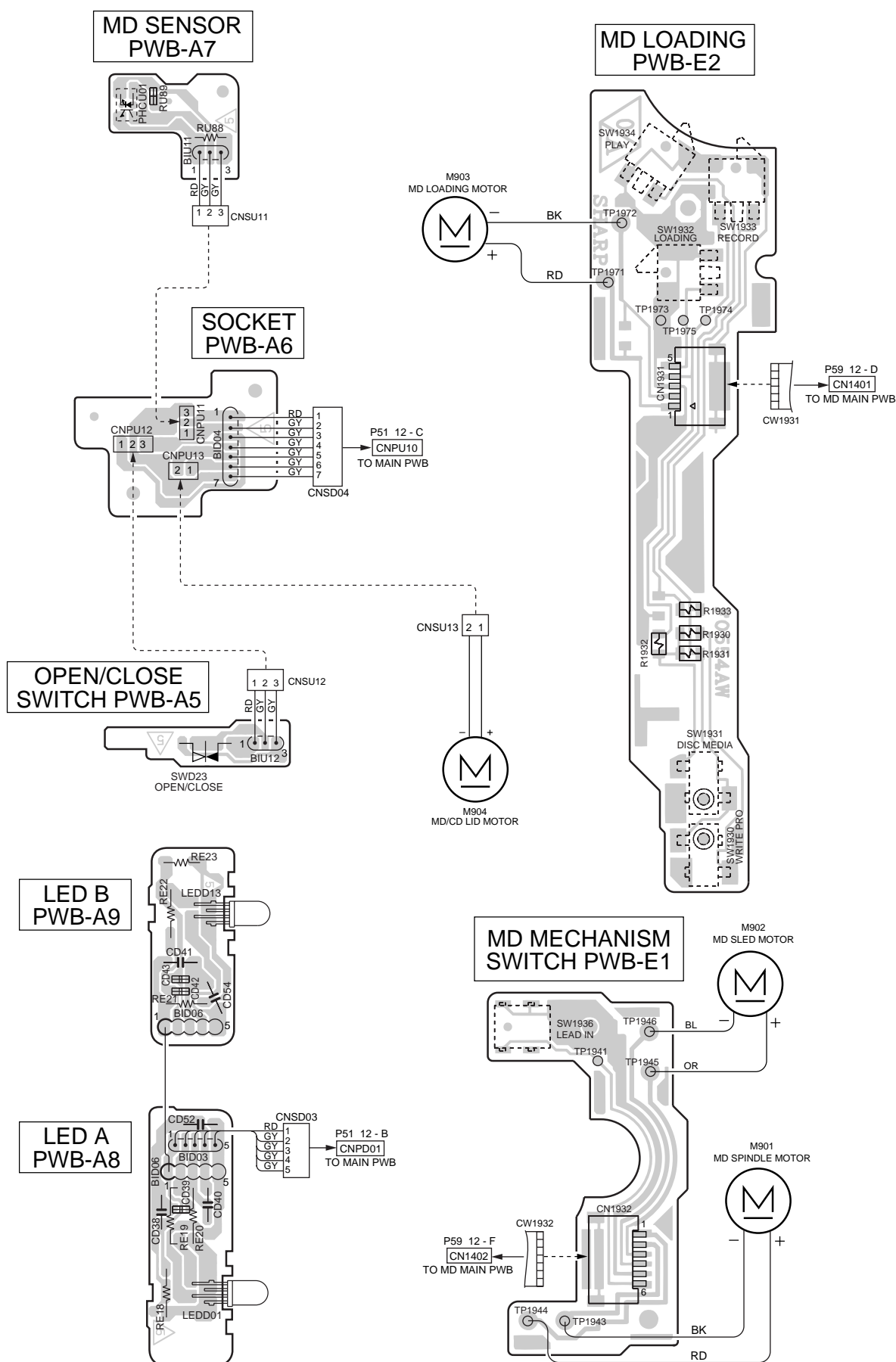


Figure 53 WIRING SIDE OF P.W.BOARD (5/11)

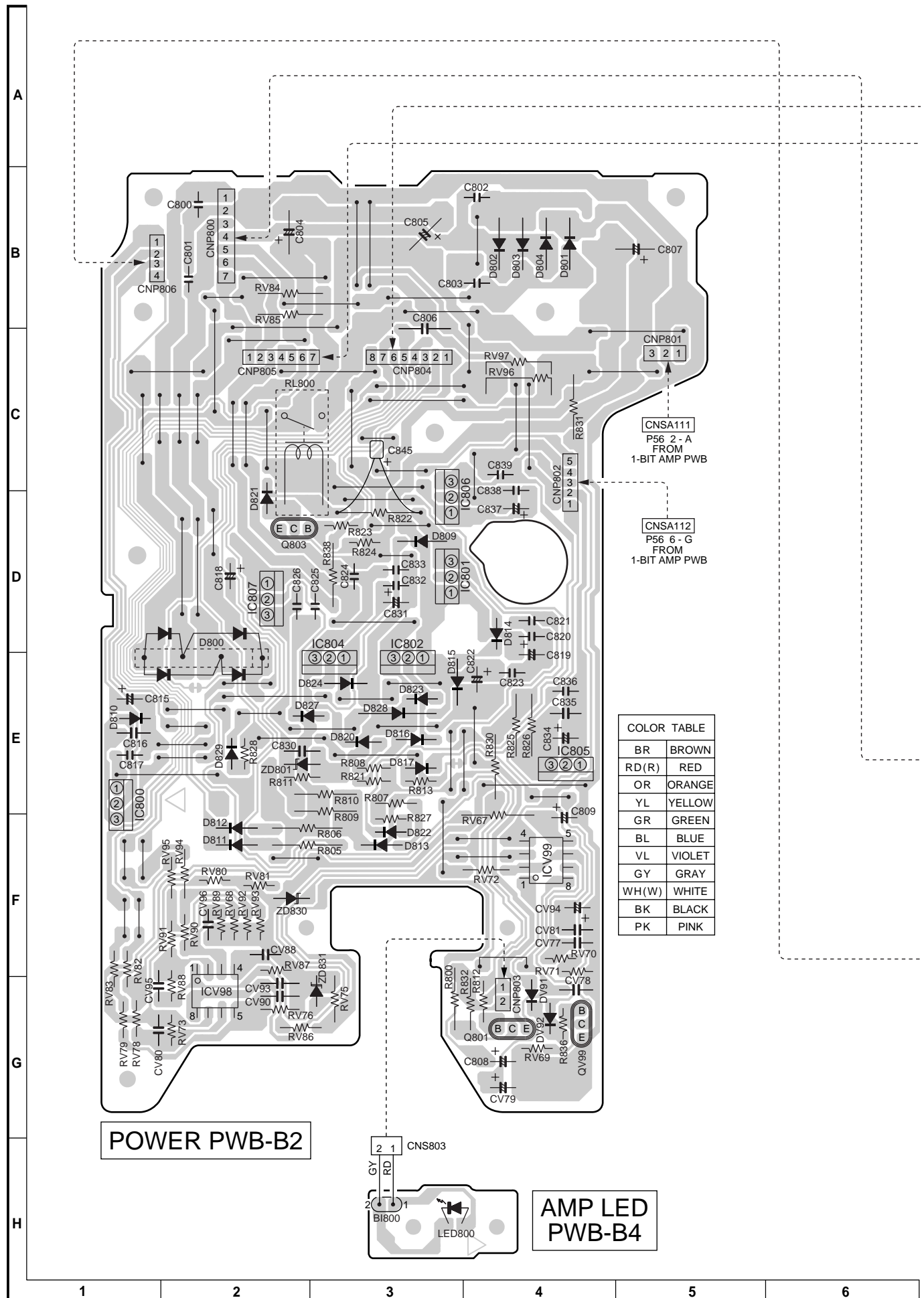
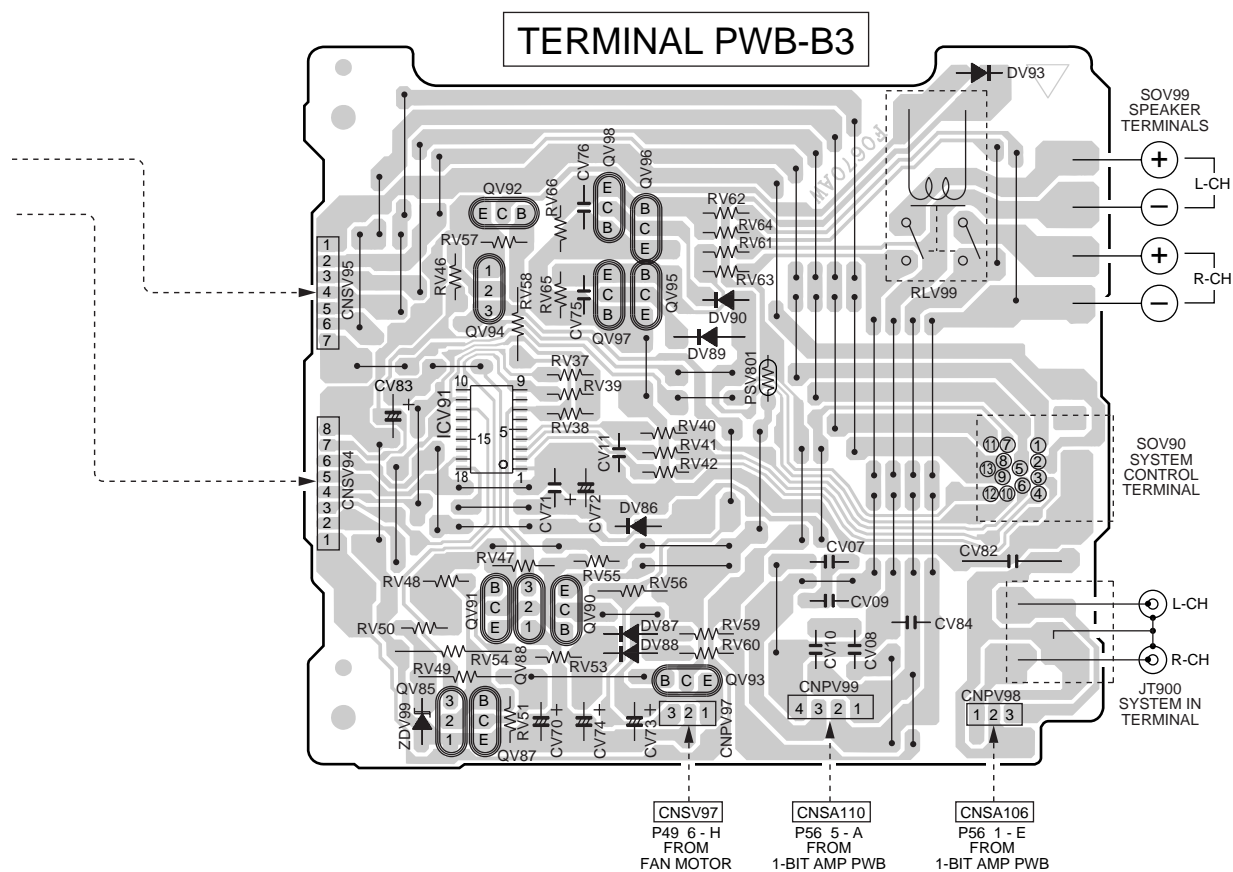


Figure 54 WIRING SIDE OF P.W.BOARD (6/11)



POWER TRANS PWB-B1

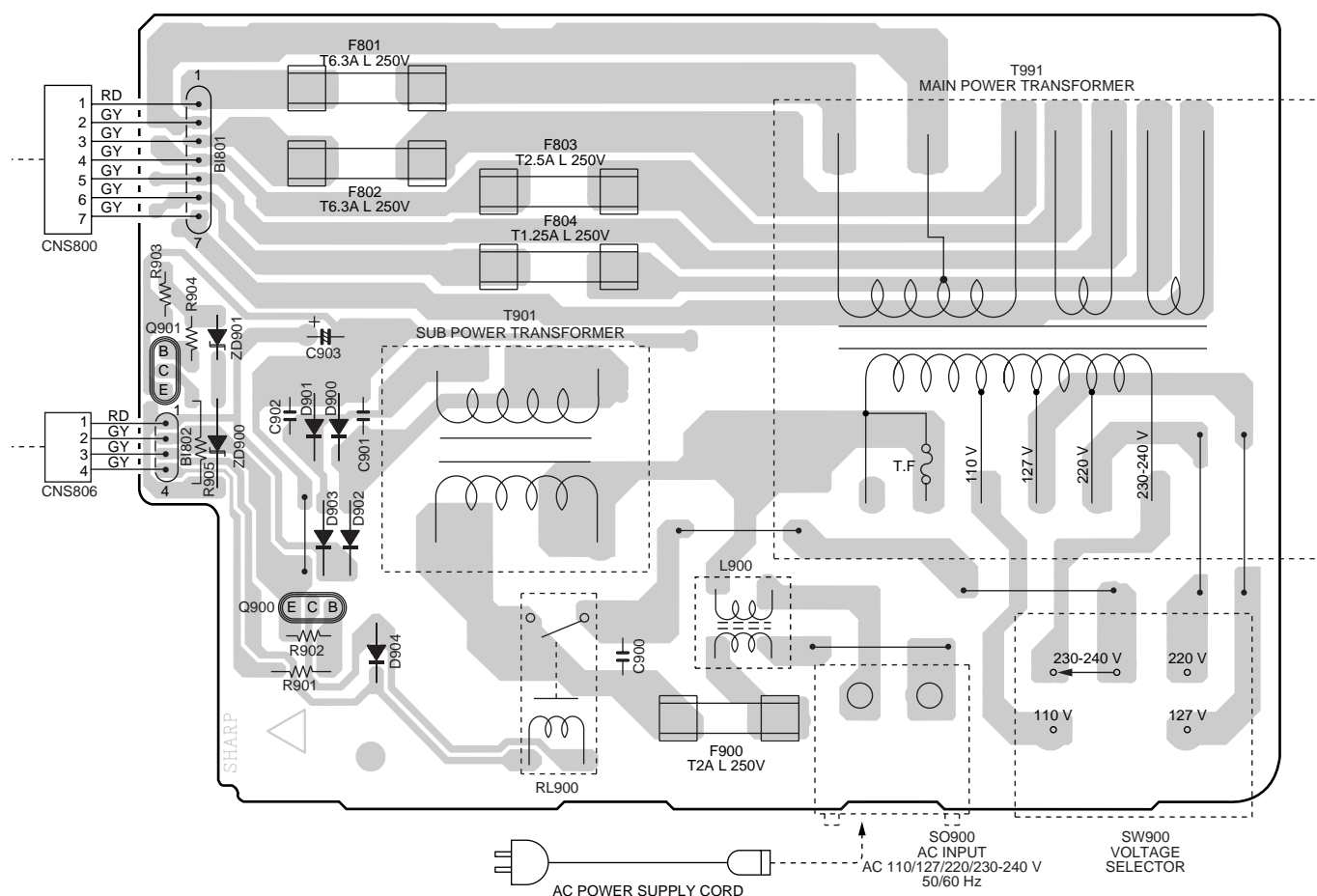


Figure 55 WIRING SIDE OF P.W.BOARD (7/11)

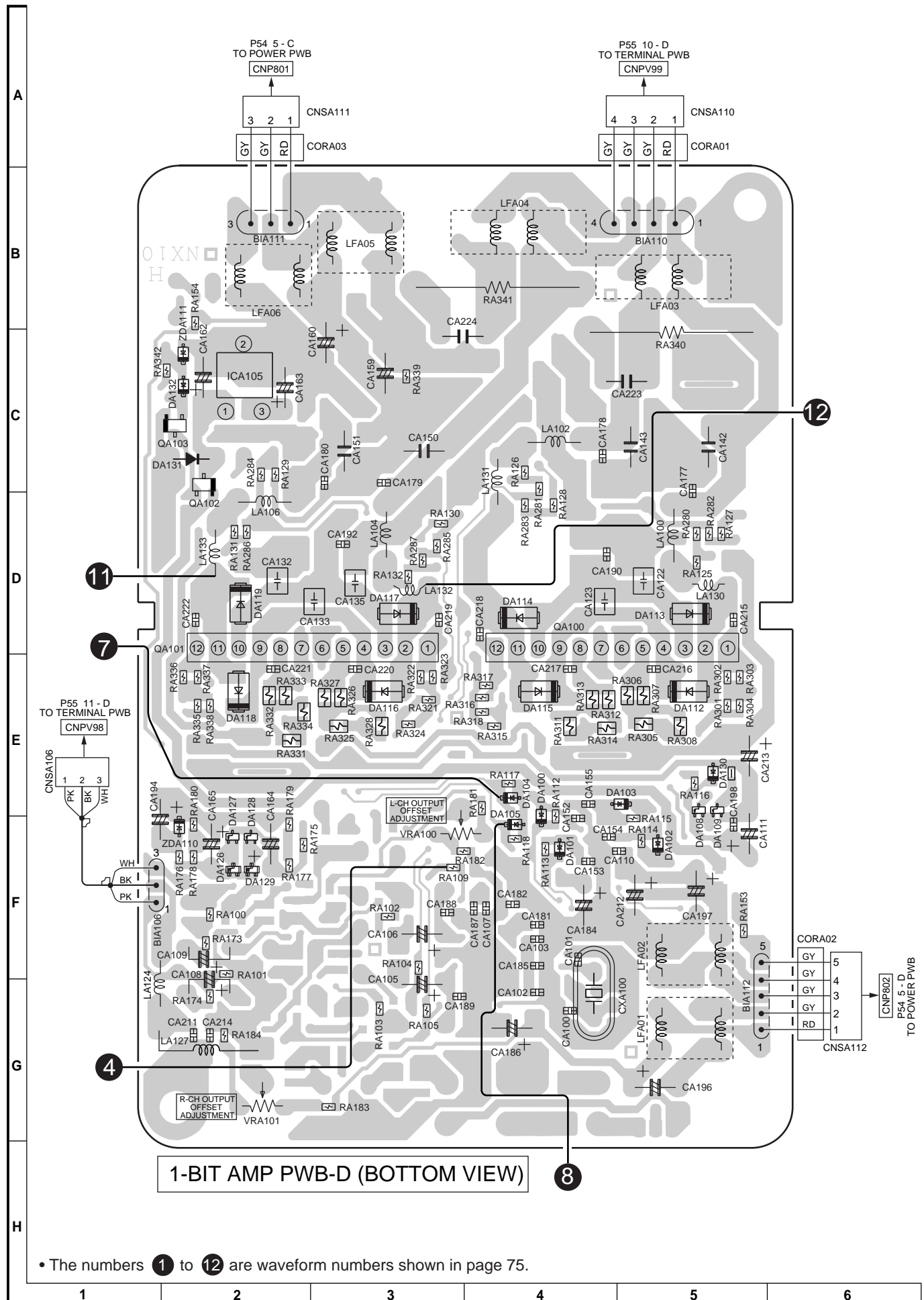
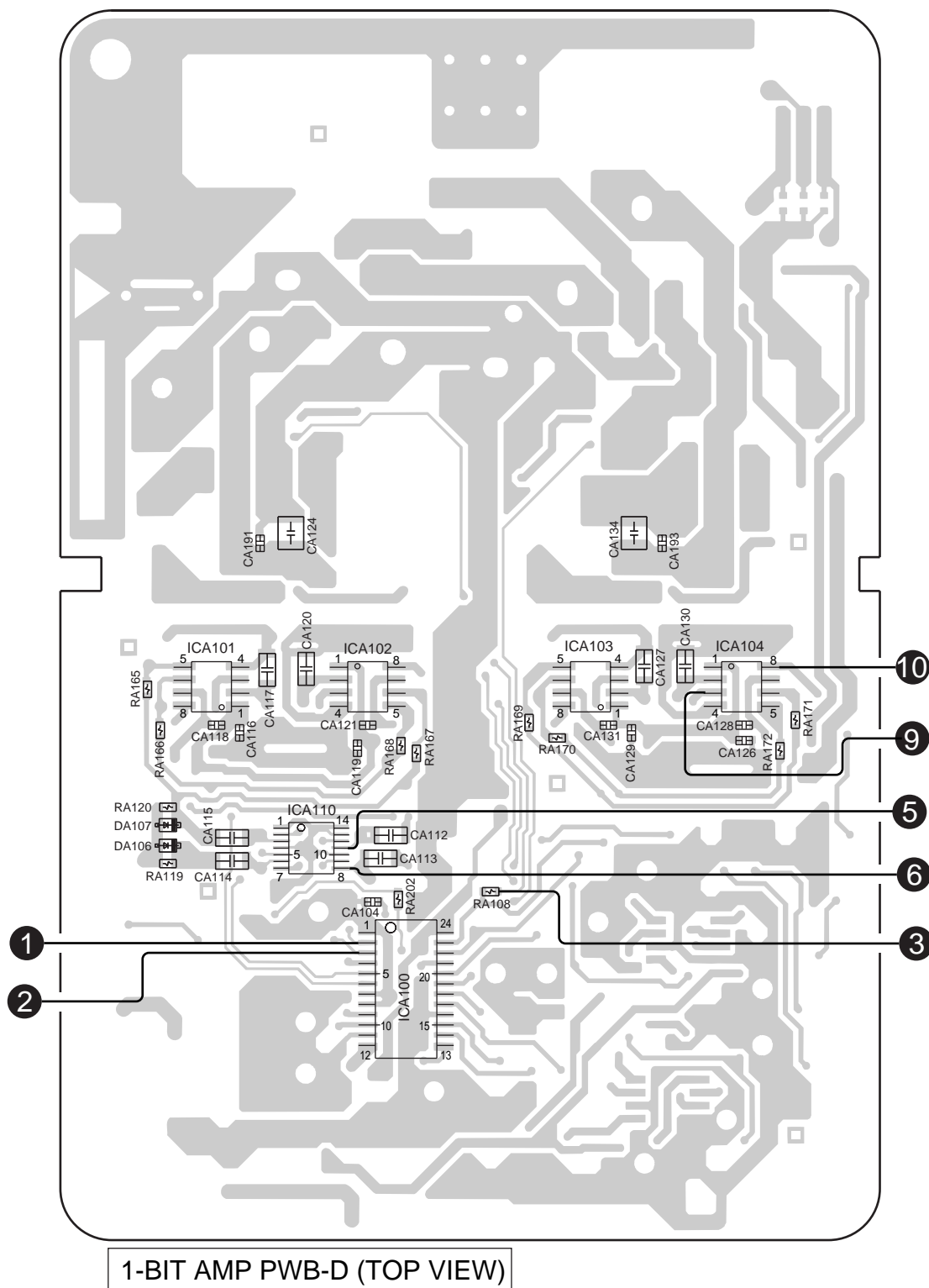


Figure 56 WIRING SIDE OF P.W.BOARD (8/11)

COLOR	BR	RD(R)	OR	YL	GR	BL	VL	GY	WH(W)	BK	PK
TABLE	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK	PINK



7	8	9	10	11	12
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Figure 57 WIRING SIDE OF P.W.BOARD (9/11)



Figure 58 WIRING SIDE OF P.W.BOARD (10/11)

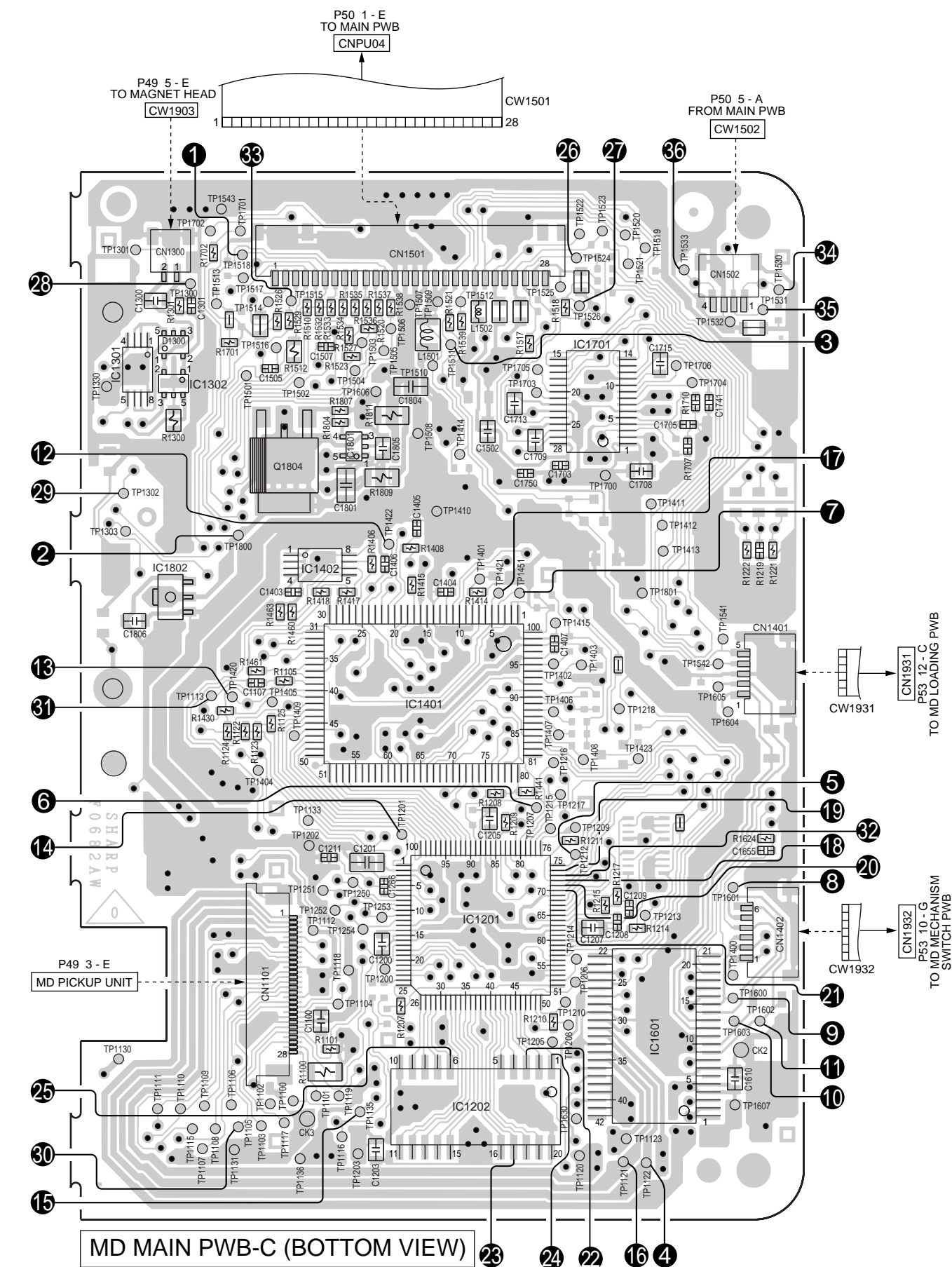


Figure 59 WIRING SIDE OF P.W.BOARD (11/11)

- 60 -

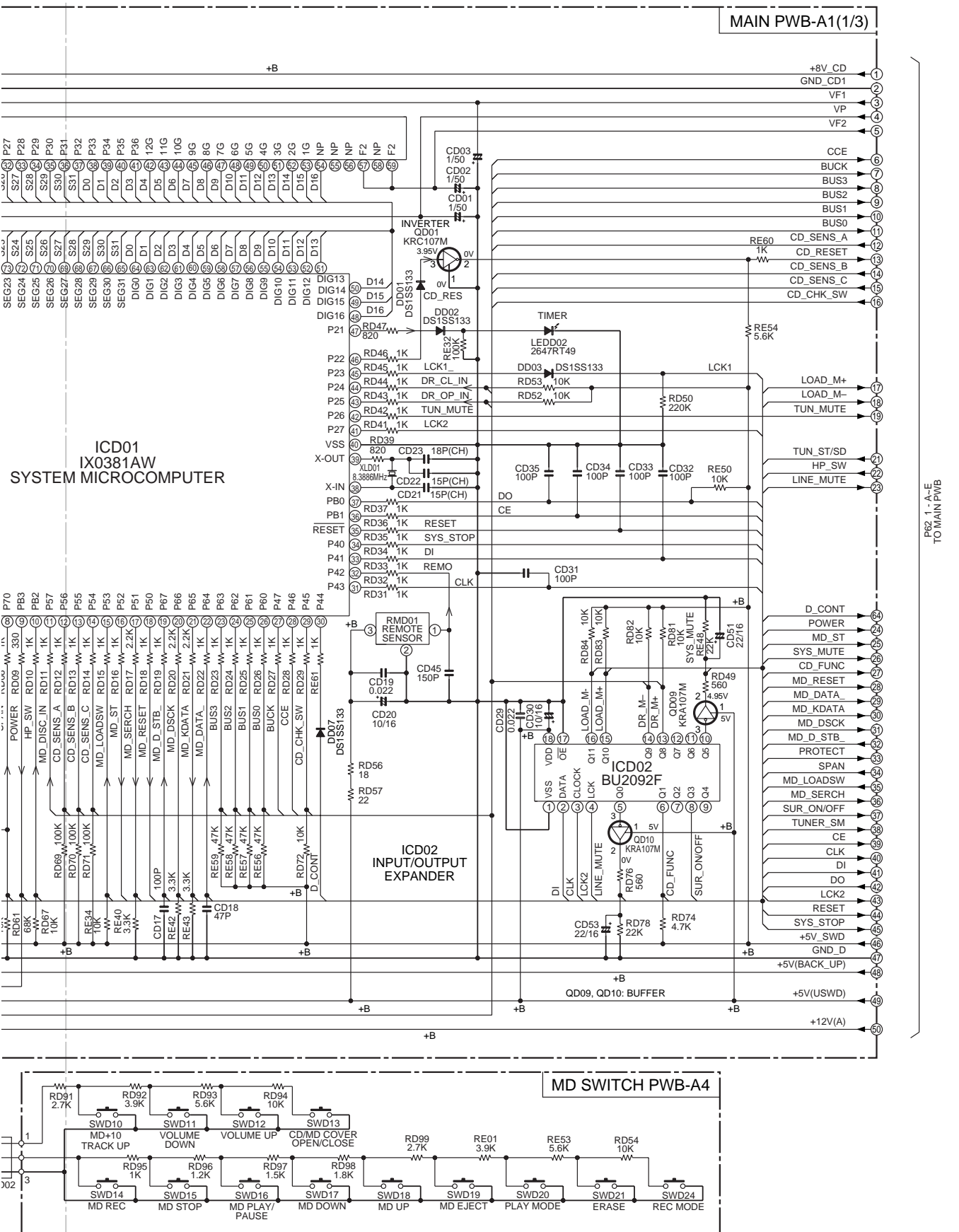


Figure 61 SCHEMATIC DIAGRAM (2/14)

[illegible]

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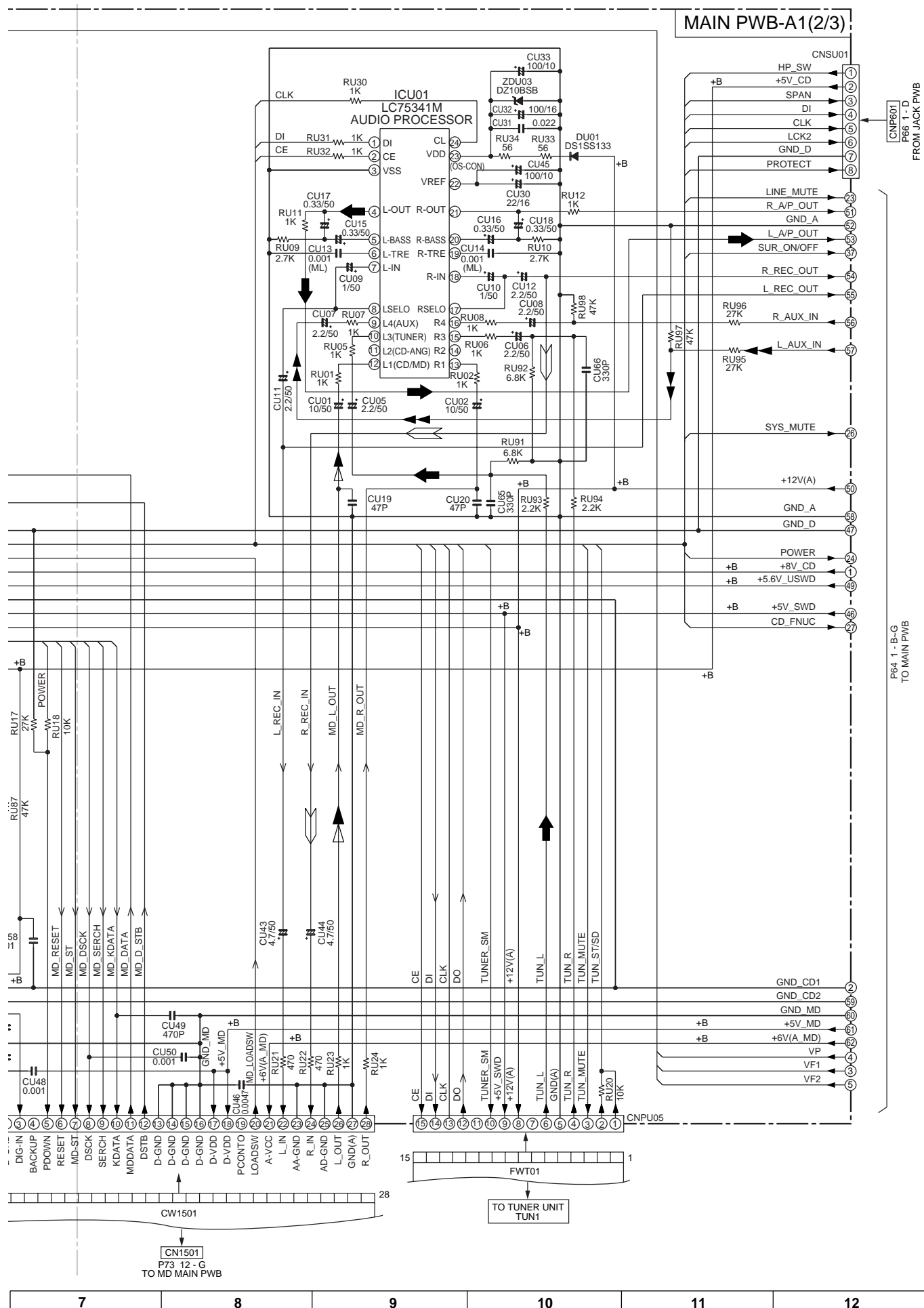


Figure 63 SCHEMATIC DIAGRAM (4/14)

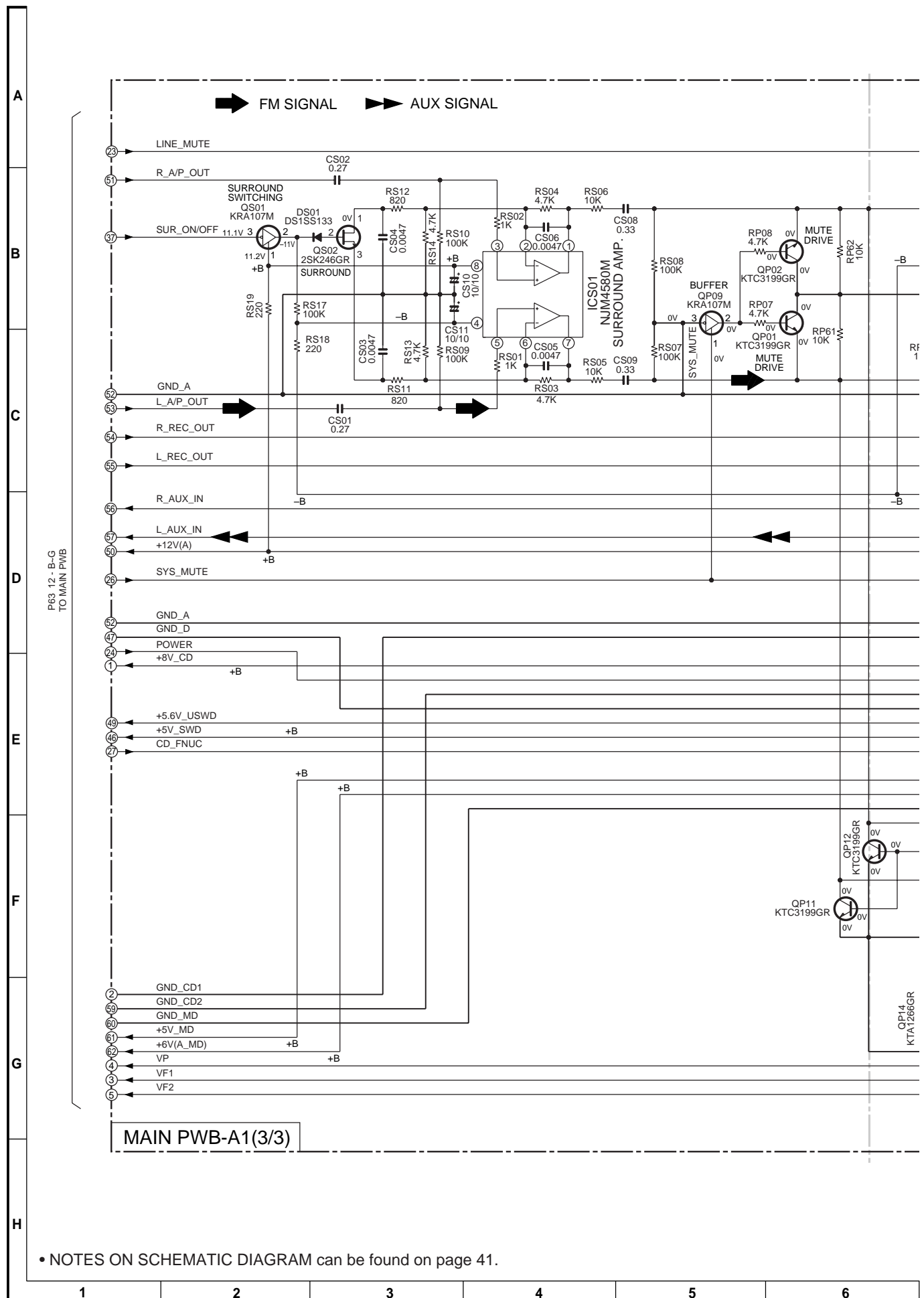


Figure 64 SCHEMATIC DIAGRAM (5/14)

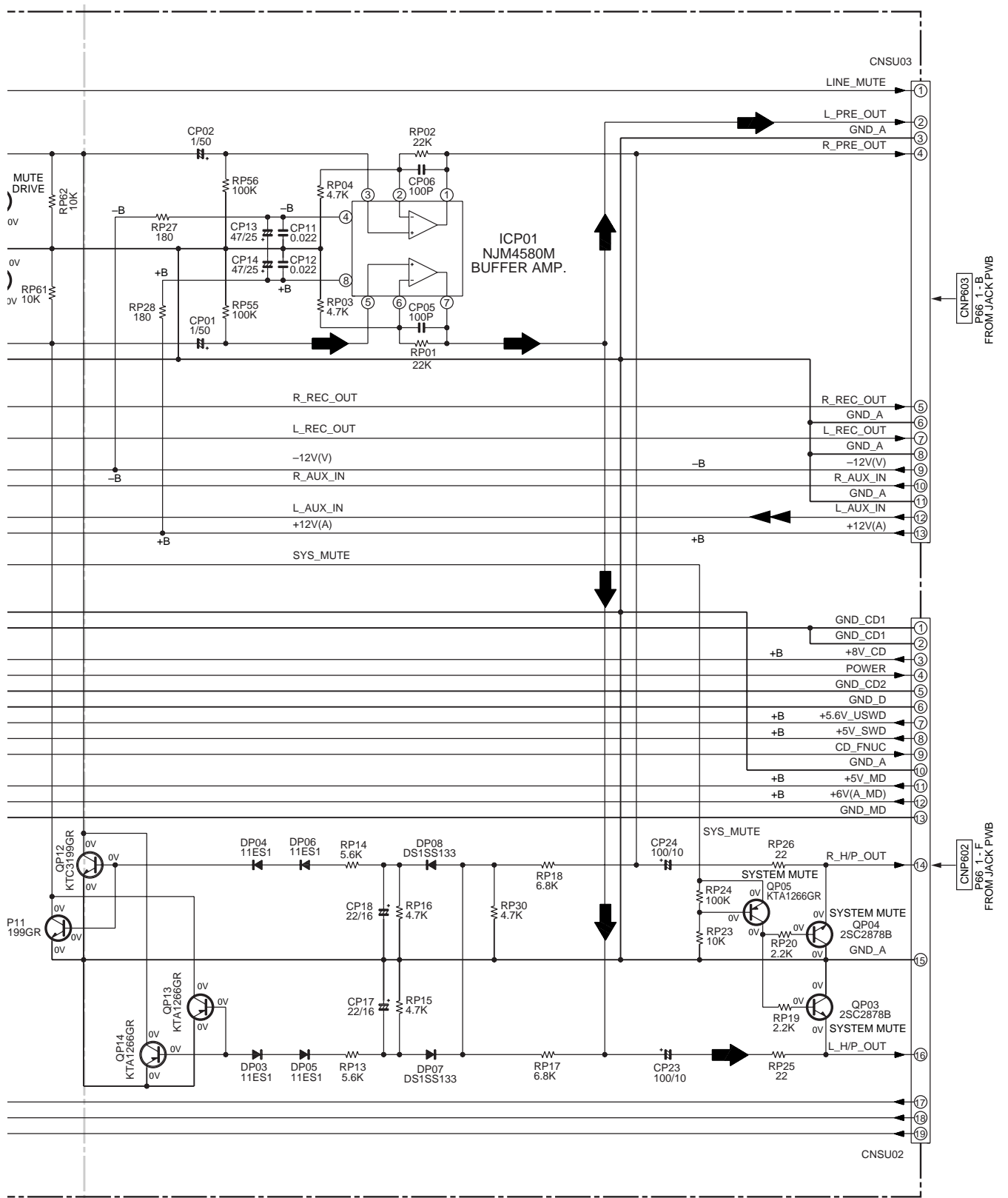


Figure 65 SCHEMATIC DIAGRAM (6/14)

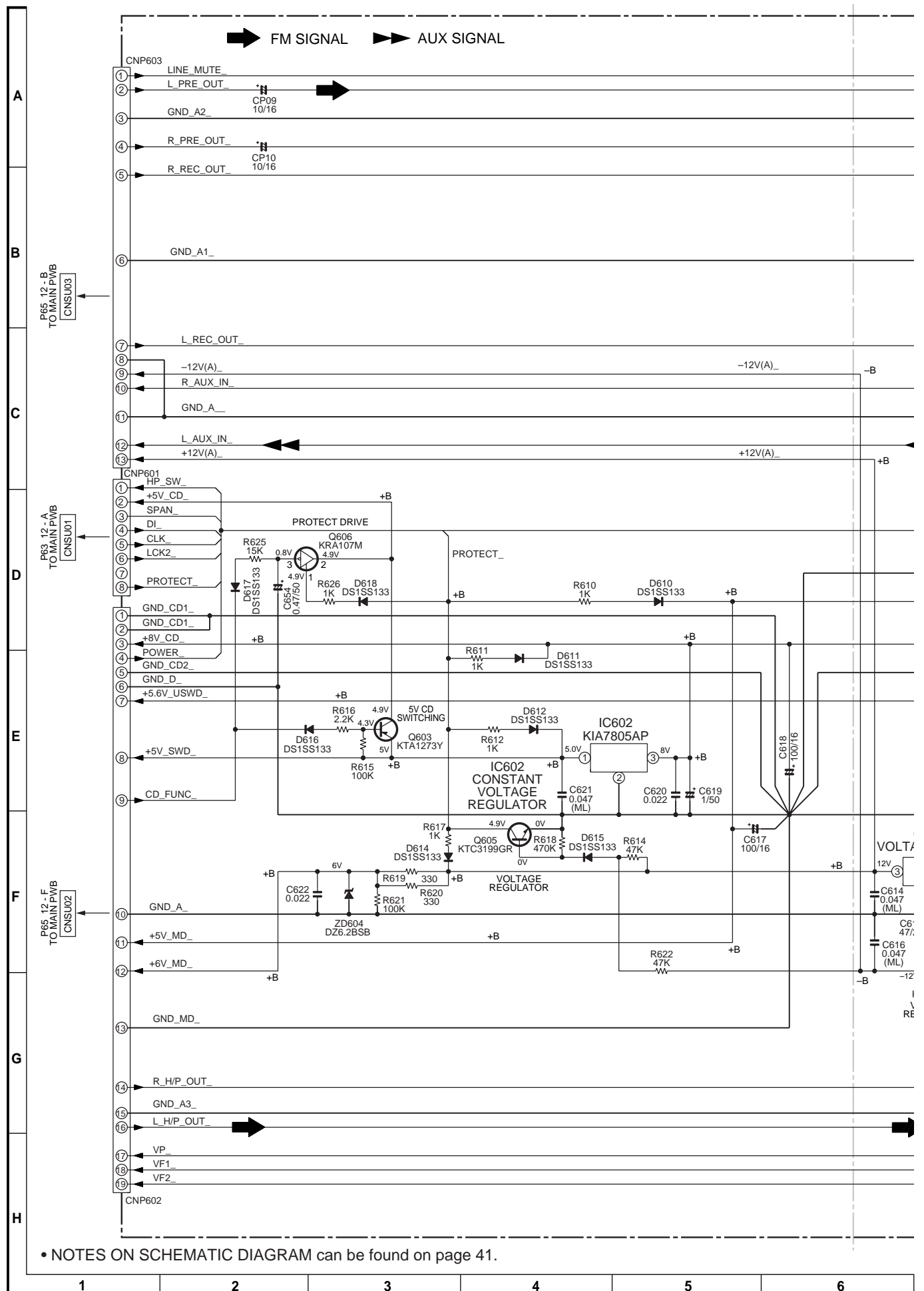


Figure 66 SCHEMATIC DIAGRAM (7/14).



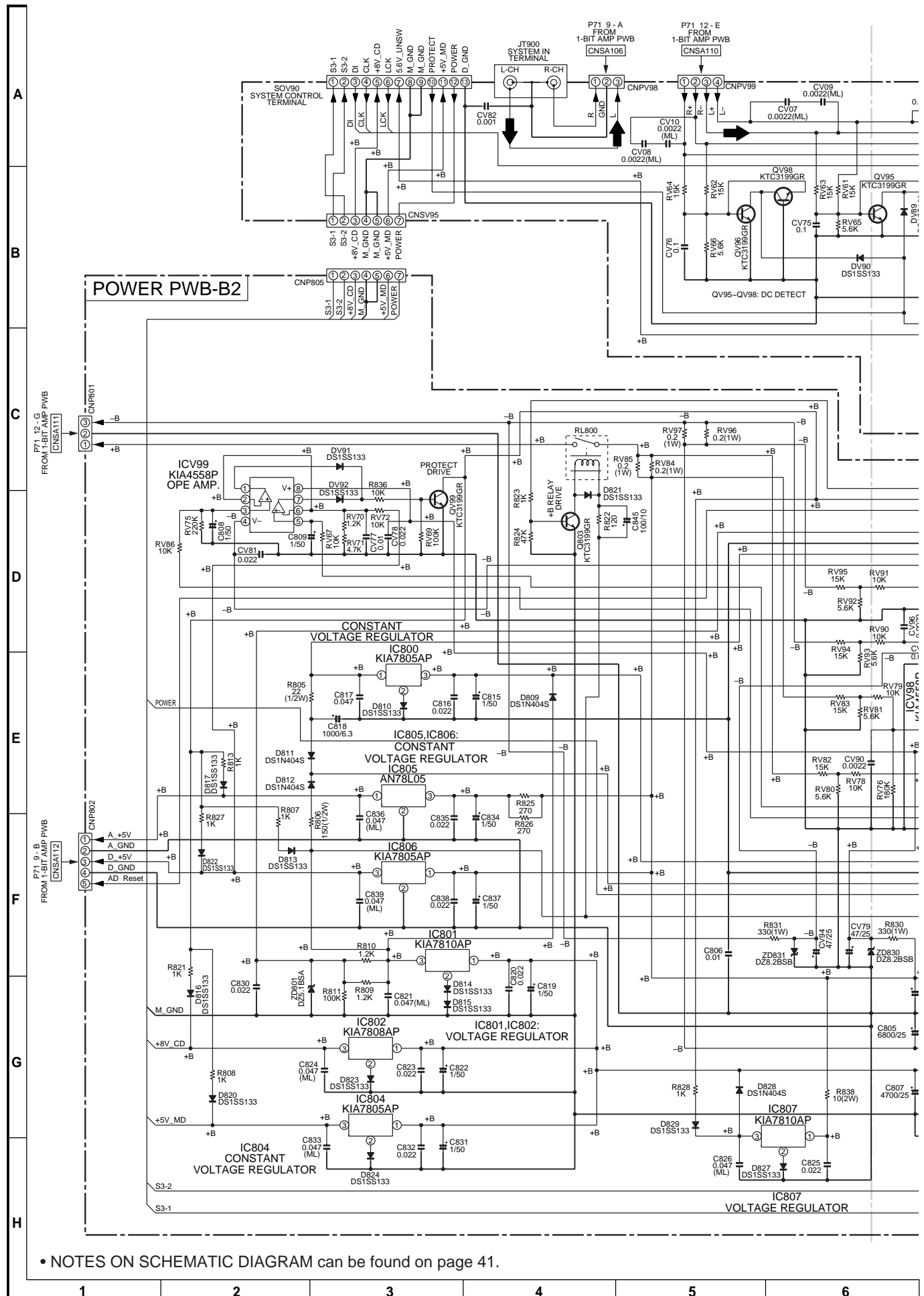
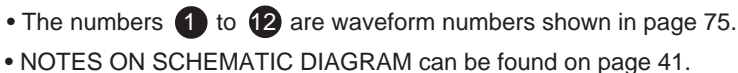


Figure 68 SCHEMATIC DIAGRAM (9/14)

- 69 -



- 70 -

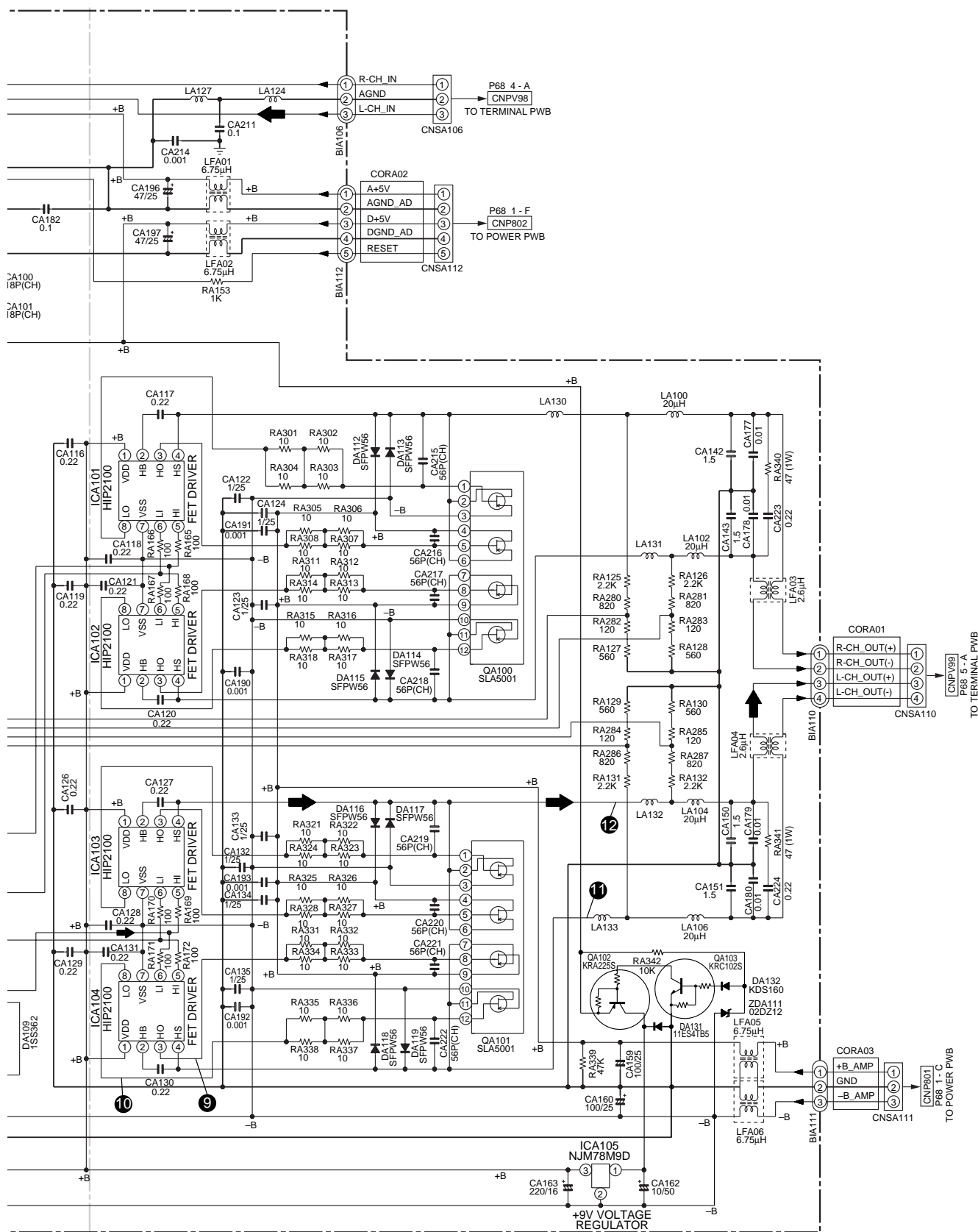
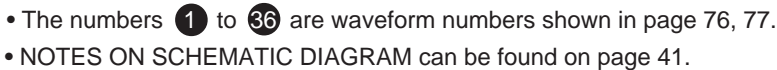


Figure 71 SCHEMATIC DIAGRAM (12/14)



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VOLTAGE

PIN NO.	VOLTAGE
1	5.4 V
2	—
3	10.55 V (110 V AC) 10.6 V (127 V AC) 21 V (220 V AC) 23.5 V (230-240 V AC)

PIN NO.	VOLTAGE
1	18.8 V
2	—
3	11.0 V

PIN NO.	VOLTAGE
1	18.8 V
2	—
3	8.0 V

PIN NO.	VOLTAGE
1	18.8 V
2	—
3	5.4 V

PIN NO.	VOLTAGE
1	5.0 V
2	—
3	15.0 V

PIN NO.	VOLTAGE
1	16.6 V
2	—
3	5.1 V

PIN NO.	VOLTAGE
1	18.2 V
2	—
3	10.4 V

PIN NO.	VOLTAGE
1	0V
2	4.87 V
3	4.87 V
4	4.88 V
5	5.05 V
6	4.97 V
7	0 V
8	11.1 V
9	0 V
10	0 V
11	0 V
12	0 V
13	4.09 V
14	4.9 V
15	0.02 V
16	0.02 V
17	0 V
18	5.08 V

PIN NO.	VOLTAGE
1	0 V
2	4.89 V
3	4.89 V
4	4.42 V
5	10.81 V
6	9.86 V
7	9.92 V
8	10.7 V
9	10.09 V
10	10.72 V
11	10.69 V
12	0 V
13	0 V
14	0 V
15	0 V
16	10.71 V
17	0 V
18	5.0 V

PIN NO.	VOLTAGE
1	0 V
2	4.8 V
3	0 V

PIN NO.	VOLTAGE
1	0 V
2	4.9 V
3	4.9 V
4	4.9 V
5	—
6	—
7	1.4 V
8	—
9	3.5 V
10	—
11	1.5 V
12	5.0 V
13	—
14	—
15	—
16	—
17	0 V
18	5.6 V

PIN NO.	VOLTAGE
1	1.3 V
2	-2.8 V
3	-2.8 V
4	-8.2 V
5	3.4 V
6	3.4 V
7	1.2 V
8	8.2 V

PIN NO.	VOLTAGE
1	-7.0 V
2	1.8 V
3	0.21 V
4	-8.2 V
5	-0.13 V
6	1.8 V
7	-7.0 V
8	8.2 V

PIN NO.	VOLTAGE
1	0 V(0 V)
2	0 V(4.4 V)
3	0 V(0 V)

PIN NO.	VOLTAGE
1	4.91 V(2.46 V)
2	4.91 V(2.46 V)
3	0 V(1.6 V)
4	4.34 V(2.4 V)
5	4.91 V(2.4 V)
6	0 V(1.5 V)
7	0 V(0 V)
8	0 V(0 V)
9	0 V(0 V)
10	3.23 V(0 V)
11	3.23 V(0 V)
12	0 V(0 V)
13	0 V(0 V)
14	3.23 V(3.21 V)

PIN NO.	VOLTAGE
1	0 V
2	8.6 V
3	1.2 V
4	0 V
5	0 V
6	8.6 V
7	0.1 V
8	2.42 V
9	0 V

PIN NO.	VOLTAGE
1	0 V(0.1 V)
2	0 V(0.1 V)
3	0.02 V(3.19 V)
4	0.03 V(4.46 V)
5	0.03 V(0.1 V)
6	0.03 V(3.19 V)
7	0 V(0 V)
8	0 V(1.6 V)
9	0 V(3.19 V)
10	0.03 V(1.3 V)
11	0.03 V(1.3 V)
12	0.02 V(2.33 V)
13	0.02 V(3.19 V)
14	0 V(3.19 V)

(): CD MODE

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.96 V	51	-29.5 V
2	5 V	52	-29.5 V
3	5 V	53	-29.5 V
4	5 V	54	-29.5 V
5	4.9 V	55	-29.5 V
6	-27 mV	56	-29.5 V
7	5.0 V	57	-29.5 V
8	3.4 V	58	-29.5 V
9	(9 kHz/50 kHz) 4.4 V	59	-29.5 V
10	(10 kHz/100 kHz) 4.4 V	60	-29.5 V
11	4.7 V	61	-29.5 V
12	3.0 V	62	-29.5 V
13	0.68 V	63	-29.5 V
14	0.1 V	64	-0.5 V
15	0.12 V	65	-0.9 V
16	0.1 V	66	-0.5 V
17	0.1 V	67	-1.9 V
18	0.07 V	68	-29.2 V
19	0.01 V	69	-32.2 V
20	0 V	70	0 V
21	0 V	71	-38 V
22	2.8 V	72	-29.2 V
23	4.0 V	73	-29.2 V
24	0 V	74	-32.2 V
25	0 V	75	0 V
26	0 V	76	-0.5 V
27	0 V	77	-29.2 V
28	0 V	78	-0.9 V
29	0 V	79	-29.5 V
30	5 V(0 V)	80	0 V
31	0 V	81	-0.5 V
32	4.95 V	82	-32.2 V
33	0.1 V	83	-26.5 V
34	0.1 V	84	-29.4 V
35	5 V	85	0.5 V
36	0 V	86	-0.5 V
37	4.9 V	87	-1.5 V
38	2.17 V	88	-29.5 V
39	2.19 V	89	-29.5 V
40	0 V	90	0.4 V
41	4.88 V	91	4.9 V
42	4.88 V	92	-26.8 V
43	0 V	93	-0.9 V
44	4.88 V	94	0 V
45	4.97 V	95	0 V
46	4.85 V	96	-0.9 V
47	4.84 V	97	-32.2 V
48	0 V	98	-32.4 V
49	-29.5 V	99	0 V
50	-29.3 V	100	5 V

(): AUX DIGITAL ONLY

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0 V(2.33 V)	1	4.88 V
2	0 V(0 V)	2	0.02 V
3	0.3 V(0 V)	3	0 V
4	0 V(0 V)	4	4.27 V
5	0 V(1.8 V)	5	4.27 V
6	0 V(0 V)	6	4.25 V
7	0 V(0 V)	7	4.25 V
8	0 V(0 V)	8	4.25 V
9	0 V(0 V)	9	4.25 V
10	0 V(4.9 V)	10	4.25 V
11	0 V(0 V)	11	4.25 V
12	0 V(0 V)	12	4.25 V
13	0 V(0 V)	13	4.25 V
14	0 V(0 V)	14	4.25 V
15	0 V(0 V)	15	4.25 V
16	0 V(0 V)	16	4.25 V
17	0.4 V(0 V)	17	4.25 V
18	0.3 V(4.9 V)	18	4.25 V
19	0.4 V(3.2 V)	19	4.25 V
20	0.4 V(2.0 V)	20	4.26 V
21	0.4 V(2.3 V)	21	4.27 V
22	0.3 V(1.75 V)	22	4.26 V
23	0.4 V(0.5 V)	23	8.52 V
24	0.4 V(0 V)	24	4.88 V

(): CD MODE

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.96 V(4.97 V)	1	0 V
2	4.97 V(4.97 V)	2	0 V
3	4.97 V(4.64 V)	3	0 V
4	0 V(0 V)	4	-11 V
5	0 V(0 V)	5	0 V
6	0.3 V(3.19 V)	6	0 V
7	0 V(0 V)	7	0 V
8	2.6 V(3.53 V)	8	11.2 V
9	12.2 V(12.2 V)		
10	4.97 V(4.97 V)		
11	1.1 V(1.3 V)		
12	0 V(0.2 V)		
13	4.91 V(4.89 V)		
14	4.87 V(0 V)		
15	4.87 V(0 V)		
16	4.87 V(0 V)		
17	4.87 V(0 V)		
18	11.8 V		

(): TUNER MODE

PIN NO.	VOLTAGE
1	0.7 V
2	0.7 V
3	0.7 V
4	0.7 V
5	1.3 V
6	1.3 V
7	1.3 V
8	1.3 V
9	1.3 V
10	1.3 V
11	1.3 V
12	1.3 V
13	1.3 V
14	1.3 V
15	1.3 V
16	1.3 V
17	1.3 V
18	1.3 V
19	1.3 V
20	1.3 V
21	1.3 V
22	1.3 V
23	1.3 V
24	0.7 V
25	1.5 V
26	LOW DISC 2.6 V HIGH DISC 0 V
27	PIT 2.6 V GROOVE 0 V
28	2.6 V
29	2.6 V
30	1.3 V
31	0 V
32	1.3 V
33	1.3 V
34	0 V
35	1.3 V
36	1.3 V
37	1.3 V
38	1.3 V
39	0 V
40	2.6 V
41	1.6 V
42	0 V
43	1.3 V
44	1.1 V
45	0.7 V
46	1.3 V
47	0.7 V
48	0 V

PIN NO.	VOLTAGE
1	1.3 V
2	1.8 V
3	3.1 V
4	2.3 V
5	1.3 V
6	1.7 V
7	0.7 V
8	0.7 V
9	0.7 V
10	3.2 V
11	0.7 V
12	1.1 V
13	1.1 V
14	1.1 V
15	1.1 V
16	2.3 V
17	2.5 V
18	1.8 V
19	1.9 V
20	0 V

PIN NO.	VOLTAGE
1	1 V
2	0 V
3	3.15 V
4	0 V
5	0 V
6	3.15 V
7	3.15 V
8	3.15 V

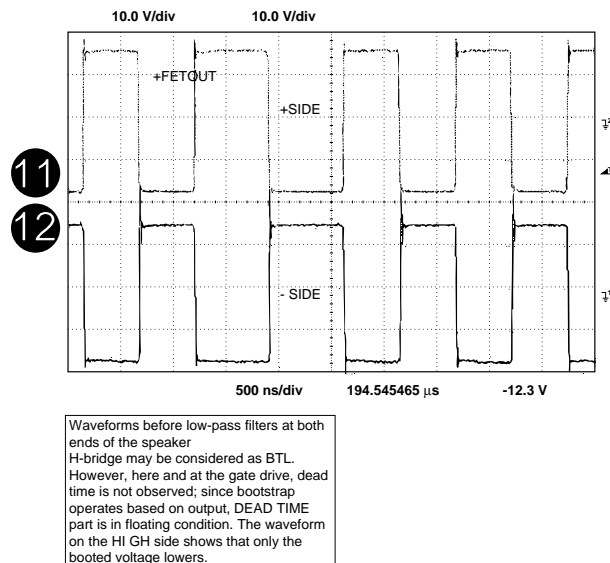
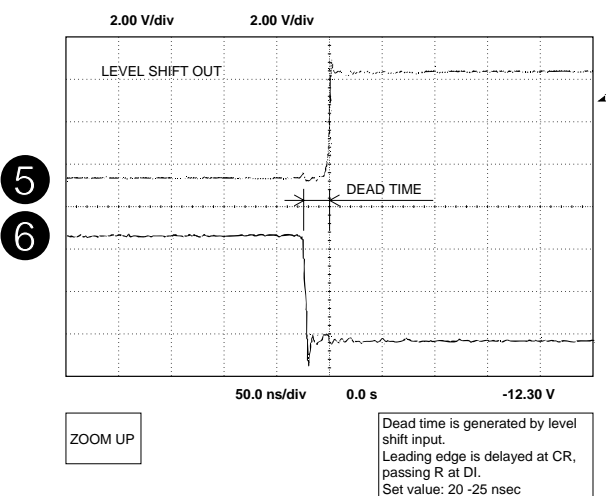
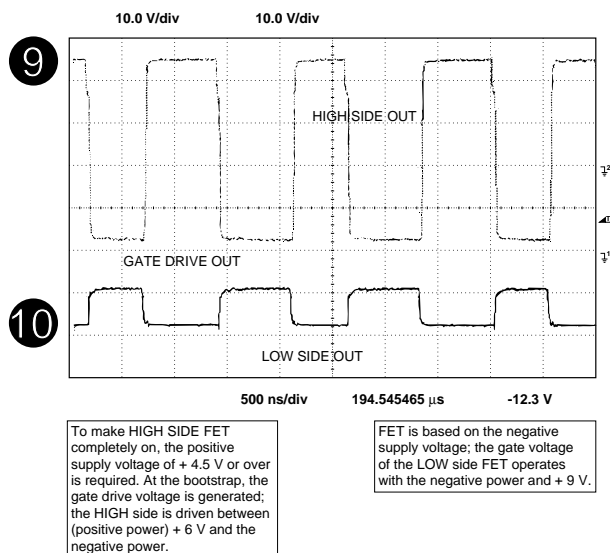
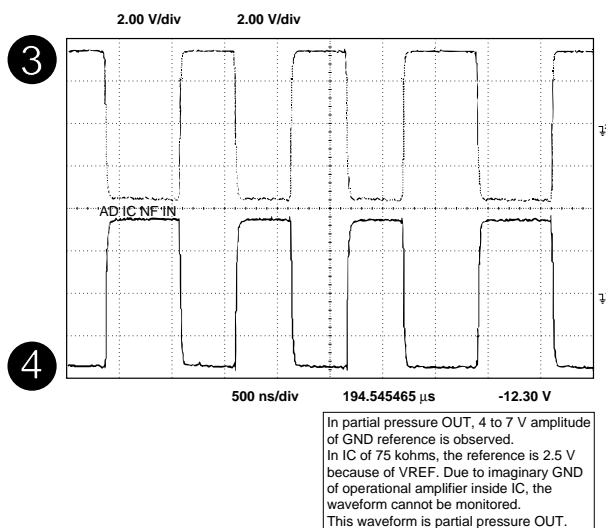
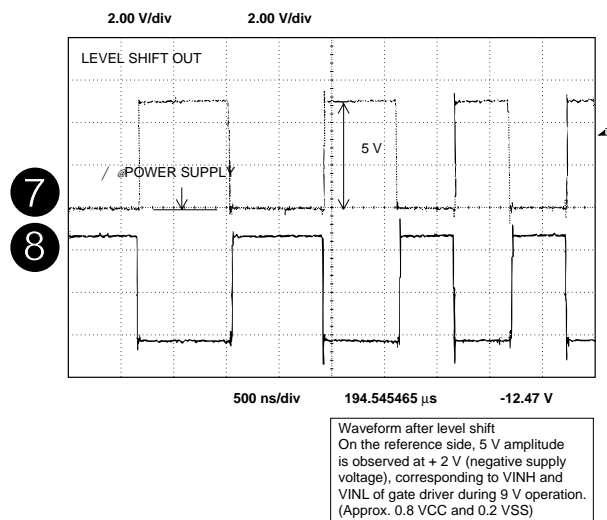
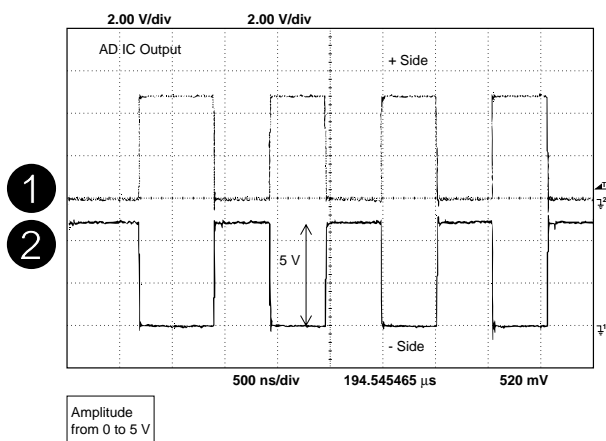
PIN NO.	VOLTAGE
1	1 V
2	0 V
3	3.15 V
4	0 V
5	0 V
6	3.15 V
7	3.15 V
8	3.15 V

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.3 V	51	1.6 V
2	2.6 V	52	0 V
3	1.3 V	53	0 V
4	0 V	54	0 V
5	2.6 V	55	3.2 V
6	1.3 V	56	0 V
7	1.3 V	57	0 V
8	1.3 V	58	0 V
9	1.3 V	59	0 V
10	1.3 V	60	3.2 V
11	1.3 V	61	0 V
12	1.3 V	62	2.5 V
13	2.6 V	63	0 V
14	2.6 V	64	1 V
15	0 V	65	1 V
16	0 V	66	1.6 V
17	1.6 V	67	1.6 V
18	1.6 V	68	0 V
19	1.6 V	69	0 V
20	1.6 V	70	1.6 V
21	1.6 V	71	1.6 V
22	1.6 V	72	1.6 V
23	1.6 V	73	0 V
24	1.6 V	74	0 V
25	1.6 V	75	1.6 V
26	0.7 V	76	1.6 V
27	0.7 V	77	1.6 V
28	0.7 V	78	0 V
29	1.7 V	79	3.2 V
30	1.3 V	80	3.2 V
31	3.2 V	81	3.2 V
32	0.7 V	82	3.2 V
33	1.1 V	83	0 V
34	1.1 V	84	0 V
35	1.1 V	85	1.6 V
36	1.1 V	86	3.2 V
37	2.3 V	87	3.2 V
38	0 V	88	0 V
39	2.5 V	89	3.2 V
40	1.8 V	90	0.2 V
41	1.9 V	91	0 V
42	1.3 V	92	0 V
43	2.3 V	93	0 V
44	3.1 V	94	0 V
45	1.8 V	95	0.1 V
46	1.3 V	96	0 V
47	1.3 V	97	0 V
48	3 V	98	3.2 V
49	2.6 V	99	3.2 V
50	1.4 V	100	0 V

PIN NO.	VOLTAGE
1	(2.6 V)
2	(2.6 V)
3	(0.1 V)
4	(2.6 V)
5	(2.6 V)
6	(0.1 V)
7	(0 V)
8	(1.4 V)
9	(0.1 V)
10	(2.6 V)
11	(1.4 V)
12	(0.1 V)
13	(2.6 V)
14	(5 V)

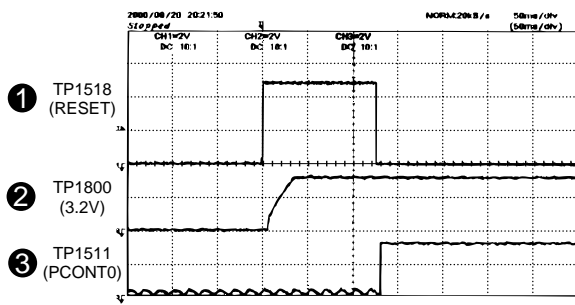
IC1301	
PIN NO.	VOLTAGE
1	(5 V)
2	(1.4 V)
3	(1.4 V)
4	(2.5 V)
5	(2.5 V)
6	(1.4 V)
7	(1.4 V)
8	(5 V)

WAVEFORMS OF 1-BIT CIRCUIT

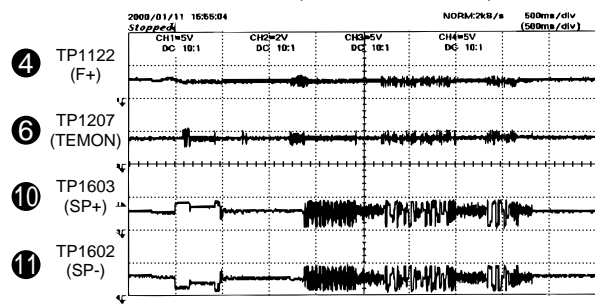


WAVEFORMS OF MD CIRCUIT

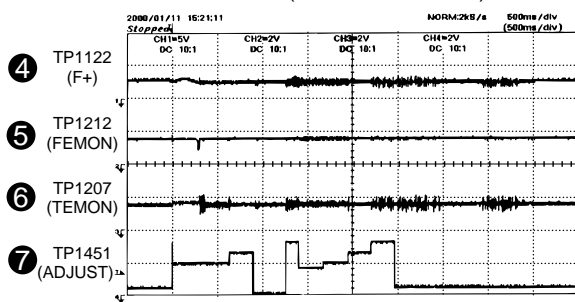
POWER ON



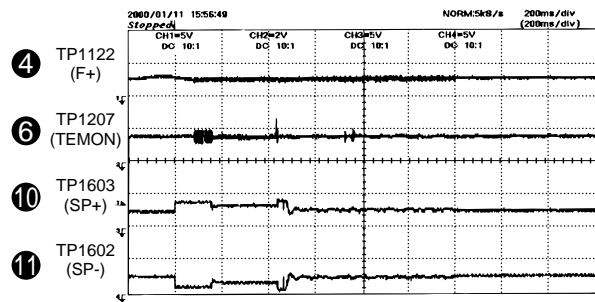
TOC READ (Low reflection disc)



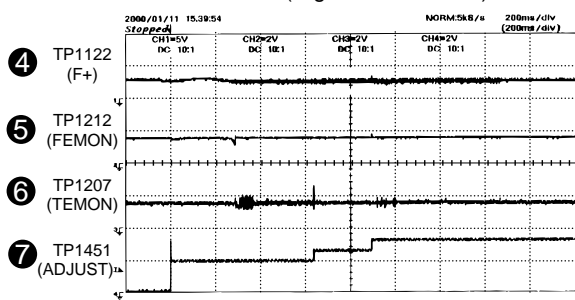
TOC READ (Low reflection disc)



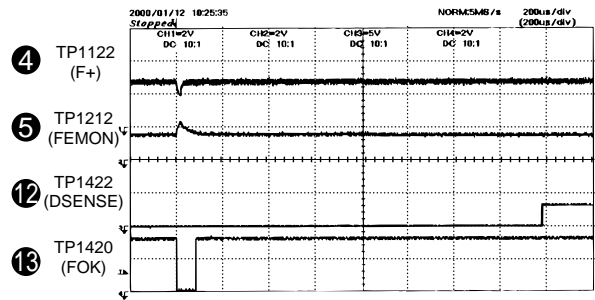
TOC READ (High reflection disc)



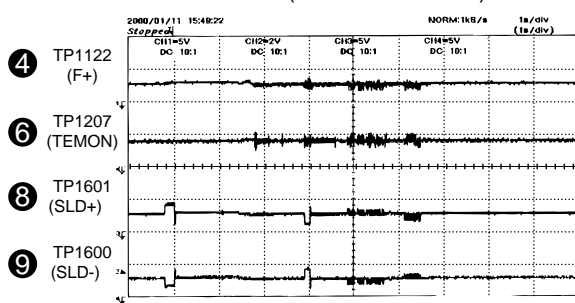
TOC READ (High reflection disc)



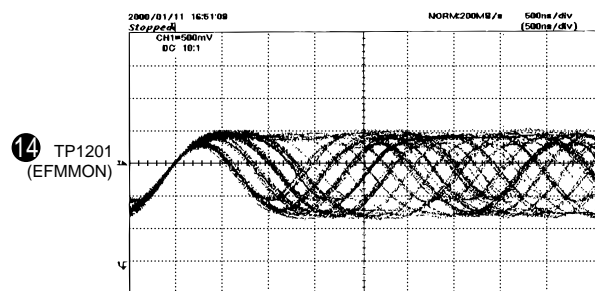
STOP → PLAY



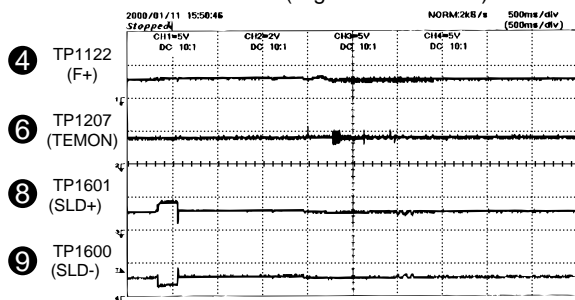
TOC READ (Low reflection disc)



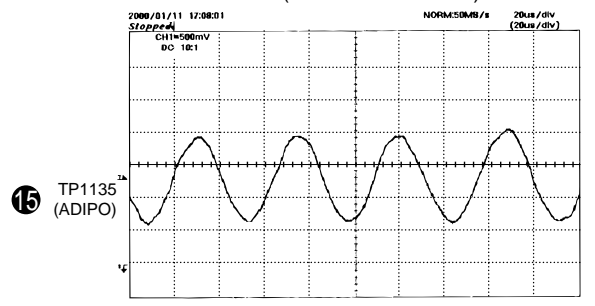
PLAY (Low reflection disc)



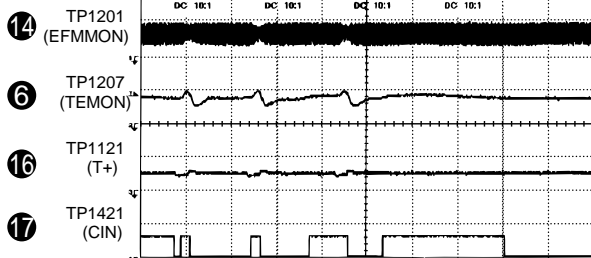
TOC READ (High reflection disc)



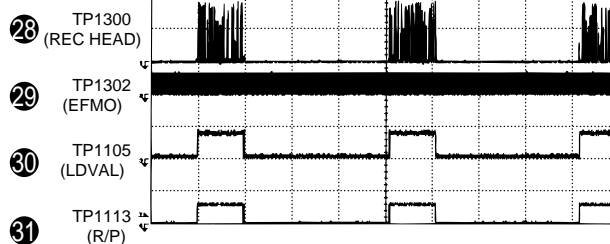
PLAY (Low reflection disc)



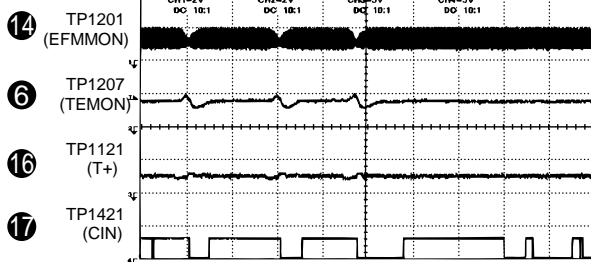
PLAY (Low reflection disc)



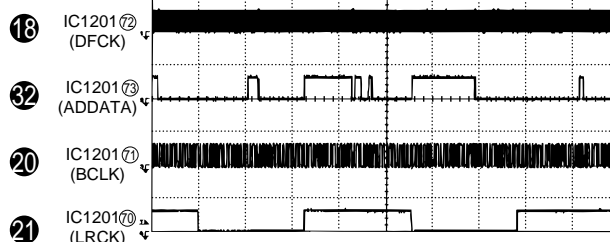
REC



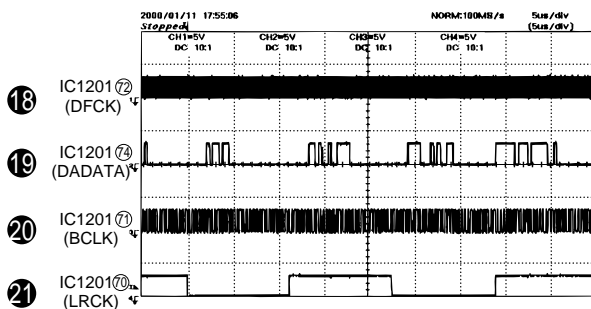
PLAY (High reflection disc)



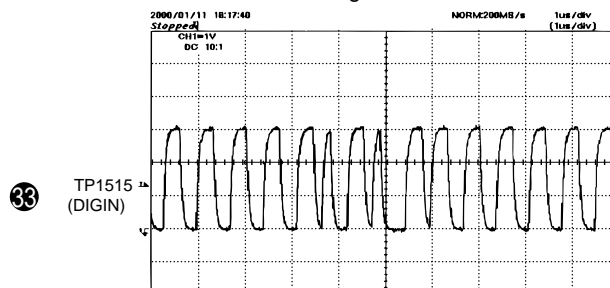
Analog REC



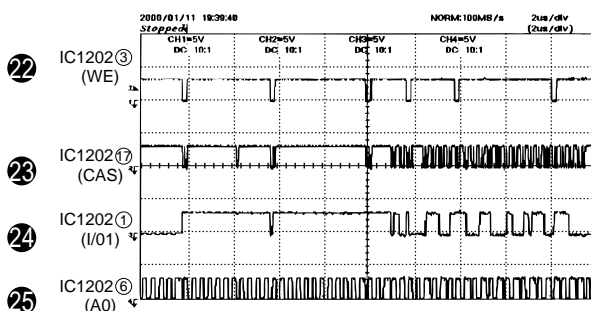
PLAY



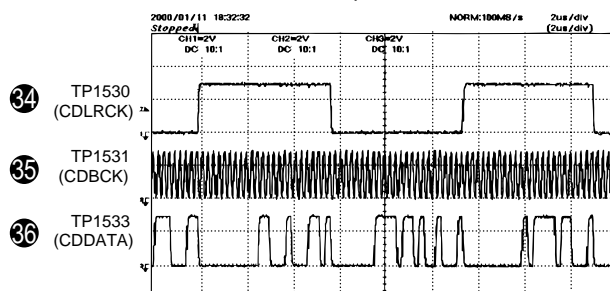
Digital REC



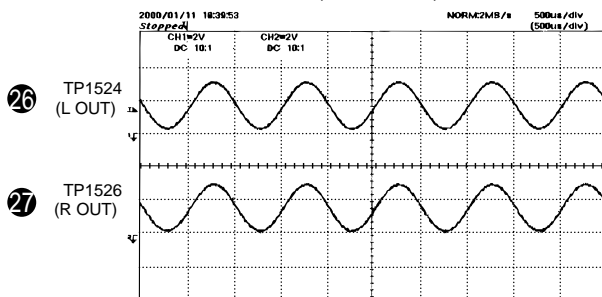
PLAY



Double speed REC



PLAY (1 kHz 0 dB)



CD OPTICAL PICKUP LENS CLEANING

When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn off the power, and wipe the lens softly using a cleaning paper moistened with commercially available cleaning solution so as not to damage it.
Be careful not to touch the lens with bare hands.

Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

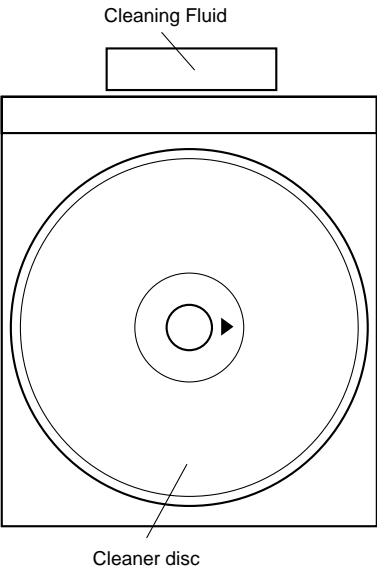
		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorised duplicating, broadcasting and renting this product is prohibited by law.



TROUBLESHOOTING

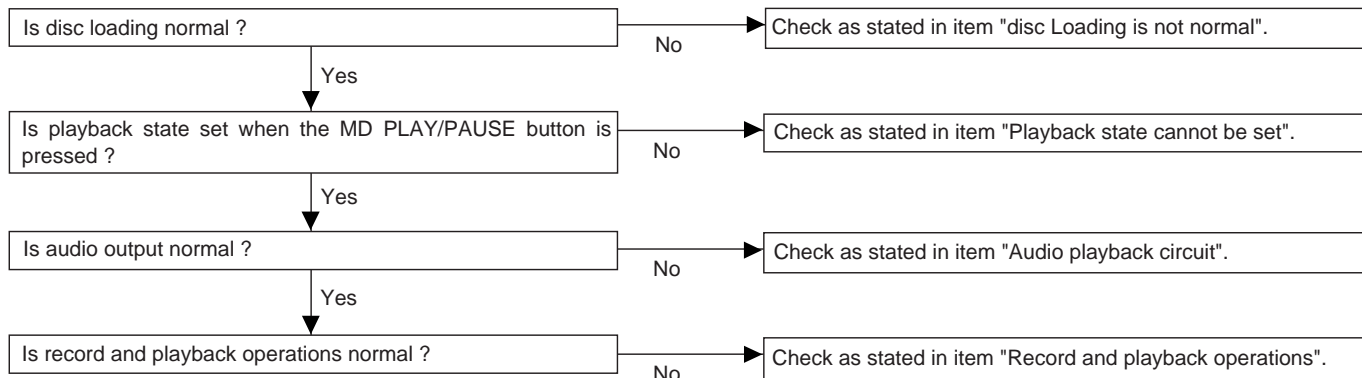
Preparations

If dusts and foreign materials are accumulated on the pickup lens, playback sounds can be skipped or the TOC (Table of Contents) can't be displayed. Clean the object lens and check the playback. When lens are dirty, do the following.

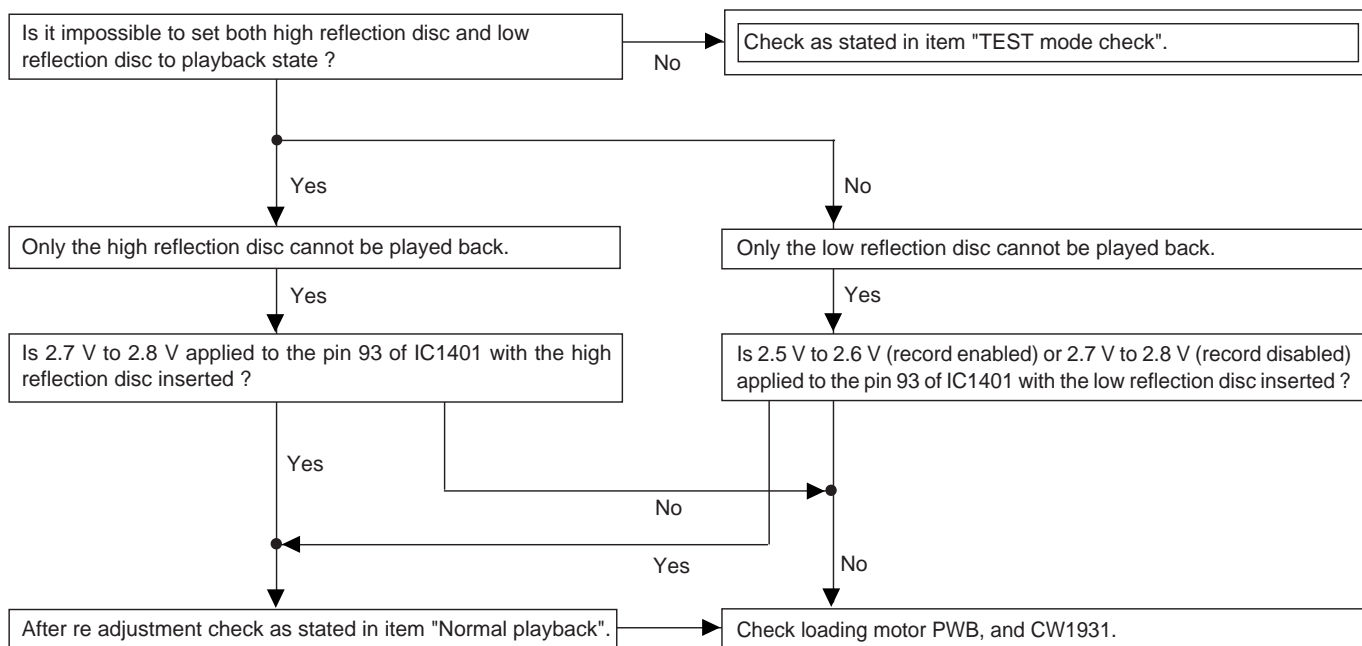
Turn off the power and wipe lens softly with a cleaning paper and a little cleaning solution so as not to damage it. Do not touch lens with bare hands.

If the MD unit doesn't work

If the MD unit doesn't start after cleaning the pickup objects lens, check it as follows.

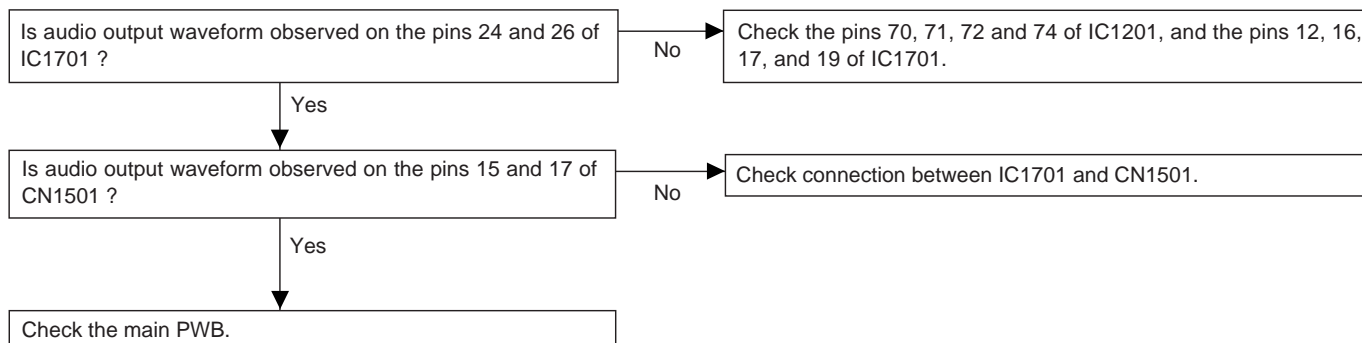


• Playback state cannot be set.



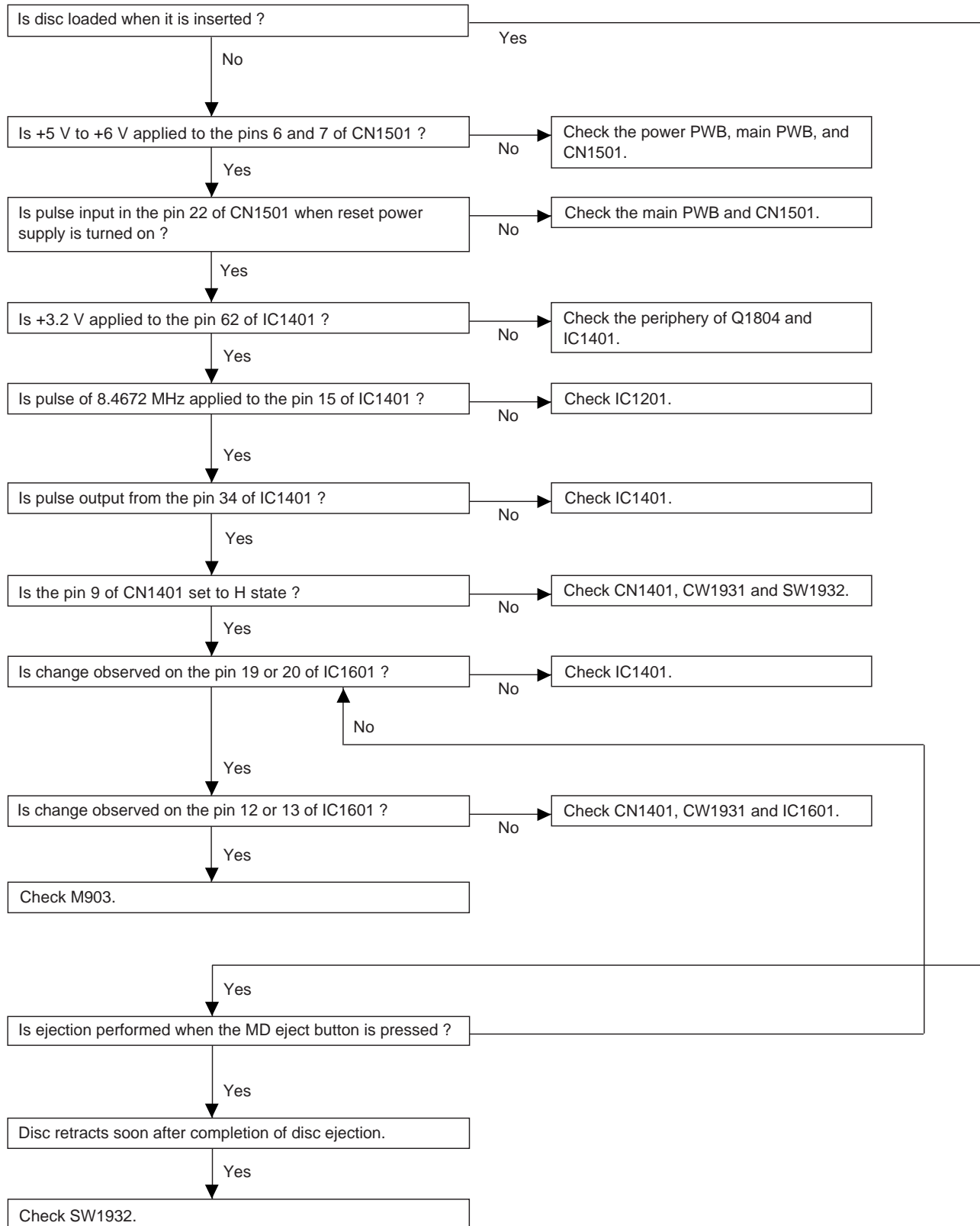
• Audio playback circuit.

When sound is not output although the playback time display advances during playback in the normal mode.



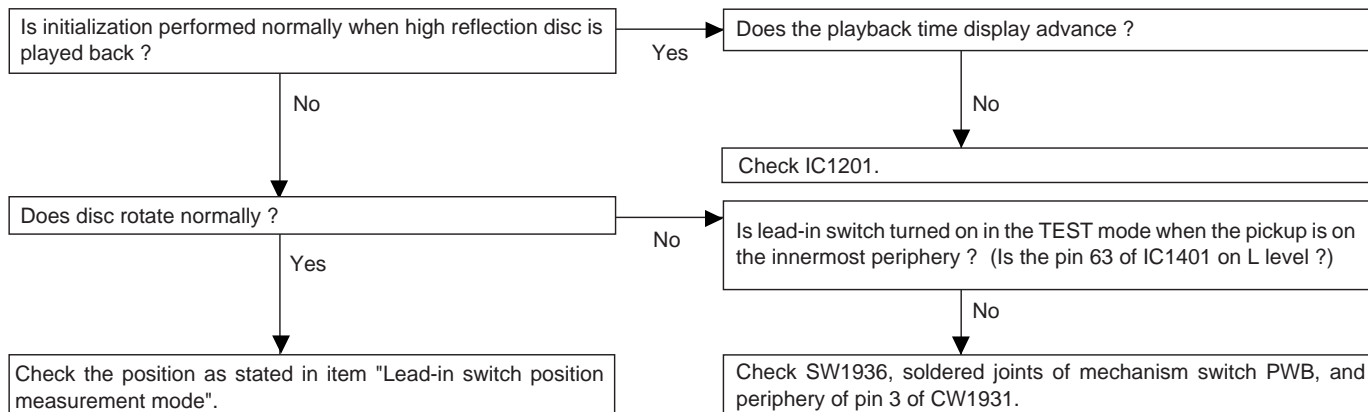
SD-NX10W

• Disc loading is not normal.



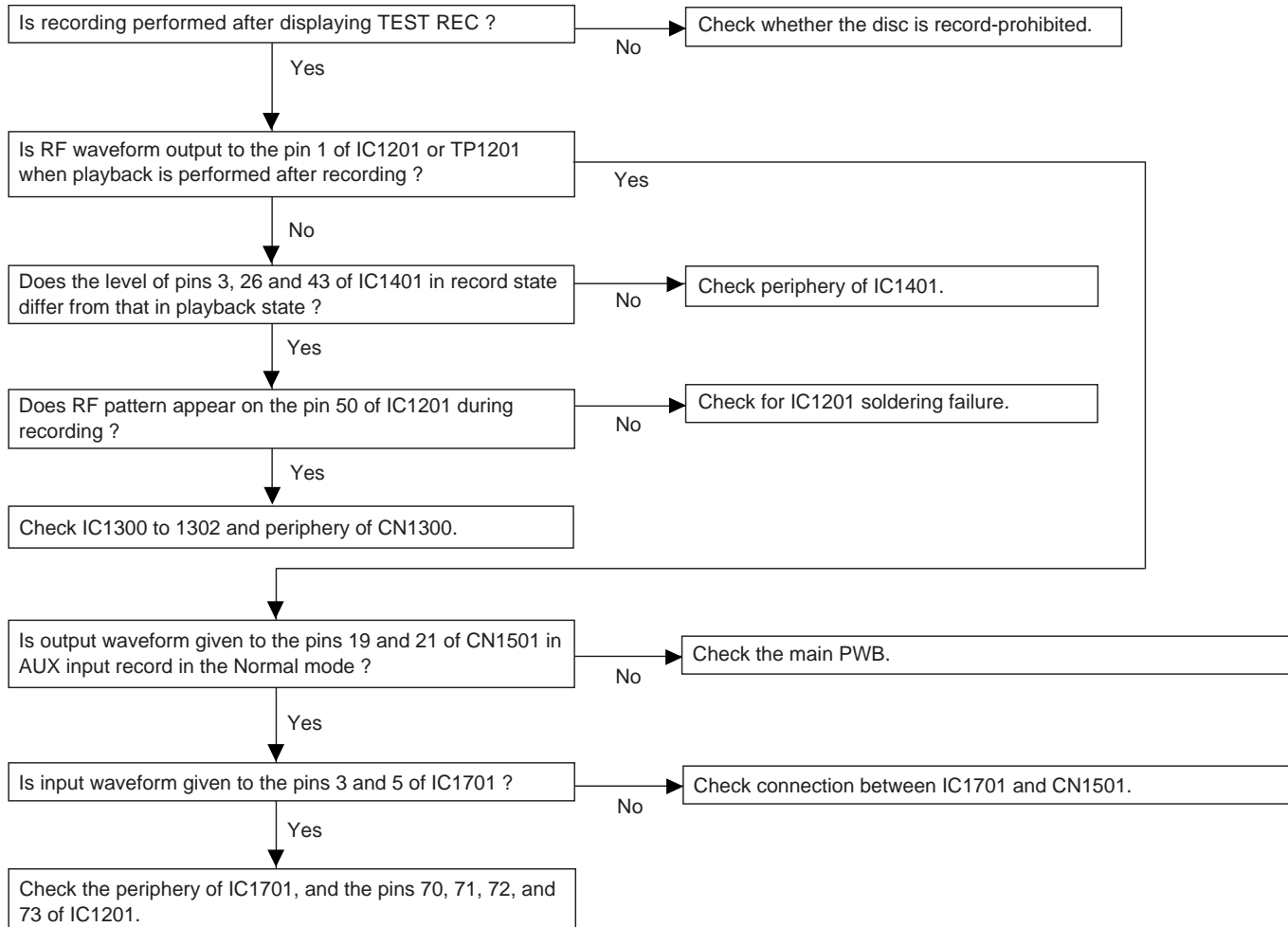
• Normal playback.

When it has been confirmed that EEPROM value is normal in the TEST mode.



• Record and playback operations.

Insert the low reflection disc, and after verifying the audio output in the normal mode playback set the record/playback TEST mode.



SD-NX10W

Check in the test mode.

• The spindle motor does not rotate.

Is waveform output from the pins 25 of IC1201 in the step 4 of AUTO auxiliary adjustment mode of TEST mode ?

No

Check the pins 25 of IC1201, soldering of peripheral circuit, and parts.

Yes

Is waveform output from the pins 9 and 10 of IC1601 and the pins 4 and 5 of CN1401 ?

No

Check IC1601, CN1402, and soldering of mechanism switch PWB.

Yes

Replace with a spindle motor (complete).

• The sled motor does not rotate.

Do the pins 23 of IC1201 change with the ►► / ◄◄ button ?

Yes

Check the waveform of pins 23 of IC1201, peripheral parts, and soldering.

No

Do the pins 14 and 15 of IC1601 and the pins 1 and 2 of CN1401 change with the ►► / ◄◄ button ?

No

Check IC1601 and soldering of CN1401.

Yes

Does voltage of the + and - terminals on the sled motor change with the ►► / ◄◄ button ?

No

Check the soldering connected to the sled motor and for disconnection.

Yes

Replace the sled motor.

FUNCTION TABLE OF IC

ICU01 VHiLC75341M-1: Audio Processor (LC75341M)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input terminal for control.
2	CE	Chip enable terminal. When changing from "H" to "L", data is written in the internal latch and each analog switch is turned on. Data transmission is enabled at "H" level.
3	VSS	Ground terminal.
4	LOUT	Bass band filter construction capacitor/resistor connection terminal and bass/treble output terminal.
5	LBASS	Bass band filter capacitor and resistor connection terminal.
6	LTRE	Treble band filter capacitor connection terminal.
7	LIN	L-CH signal input terminal.
8	LSELO	Input selector output terminal.
9-12 (11*)	L4-L1	Input signal terminal.
13-16 (14*)	R1-R4	Input signal terminal.
17	RSELO	Input selector output terminal.
18	RIN	R-CH signal input terminal.
19	RTRE	Treble band filter capacitor connection terminal.
20	RBASS	Bass band filter capacitor and resistor connection terminal.
21	ROUT	Bass band filter capacitor/resistor connection terminal and bass/treble output terminal.
22	Vref	$0.5 \times VDD$ voltage generation section for analog ground. Connect a capacitor of $10 \mu F$ or more between Vref and AVSS (VSS) as a countermeasure against the power supply ripple.
23	VDD	Power supply terminal.
24	CL	Serial data and clock input terminal for control.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

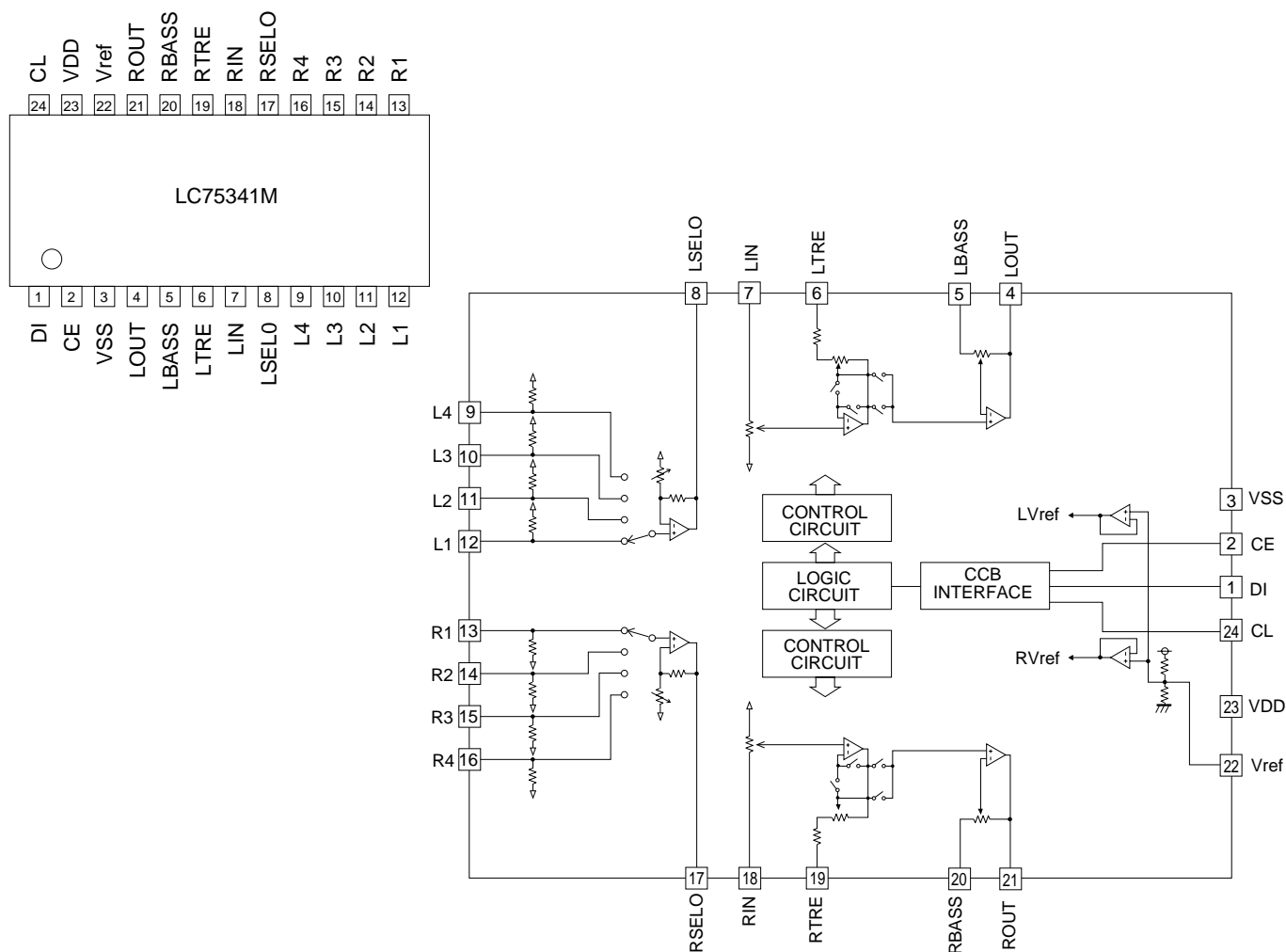


Figure 83 BLOCK DIAGRAM OF IC

SD-NX10W

ICA100 RH-iX2815AFZZ: 7th Order $\Delta\Sigma$ Modulation Conversion LSI (IX2815AF)

Pin No.	Port Name	Input/Output	Function
1	VDDL	Input	L channel digital output section power terminal.
2	OUTL (+)	Output	L channel forward output terminal.
3	OUTL (-)	Output	L channel reverse output terminal.
4	GNDD	—	Digital output section ground terminal.
5	OUTR (-)	Output	R channel reverse output terminal.
6	OUTR (+)	Output	R channel forward output terminal.
7	VDDR	Input	R channel digital output section power terminal.
8	VDDX	Input	Oscillation section power terminal.
9	XI	Input	Quartz oscillator connection terminal. Clock necessary for the system is generated.
10	XO	Output	Quartz oscillator connection terminal. Clock necessary for the system is generated.
11	GNDX	—	Oscillation section ground terminal.
12*	MCK	Output	System clock output terminal.
13	TEST	Input	Test terminal. As usual, it is used at "L".
14	NFR1 (+)	Input	R channel forward signal feedback input terminal.
15	NFR2 (-)	Input	R channel reverse signal feedback input terminal.
16	GNDA	—	Analog ground terminal for AD converter.
17	Rch IN	Input	R channel analog input terminal.
18	Rch Vref	Input	Reference voltage terminal for R channel.
19	Lch Vref	Input	Reference voltage terminal for L channel.
20	Lch IN	Input	L channel analog input terminal.
21	RESET	Input	Reset terminal. It is reset with "L".
22	NFL2 (-)	Input	L channel reverse signal feedback input terminal.
23	NFL1 (+)	Input	L channel forward signal feedback input terminal.
24	VDDA	Input	Analog current terminal for AD converter.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

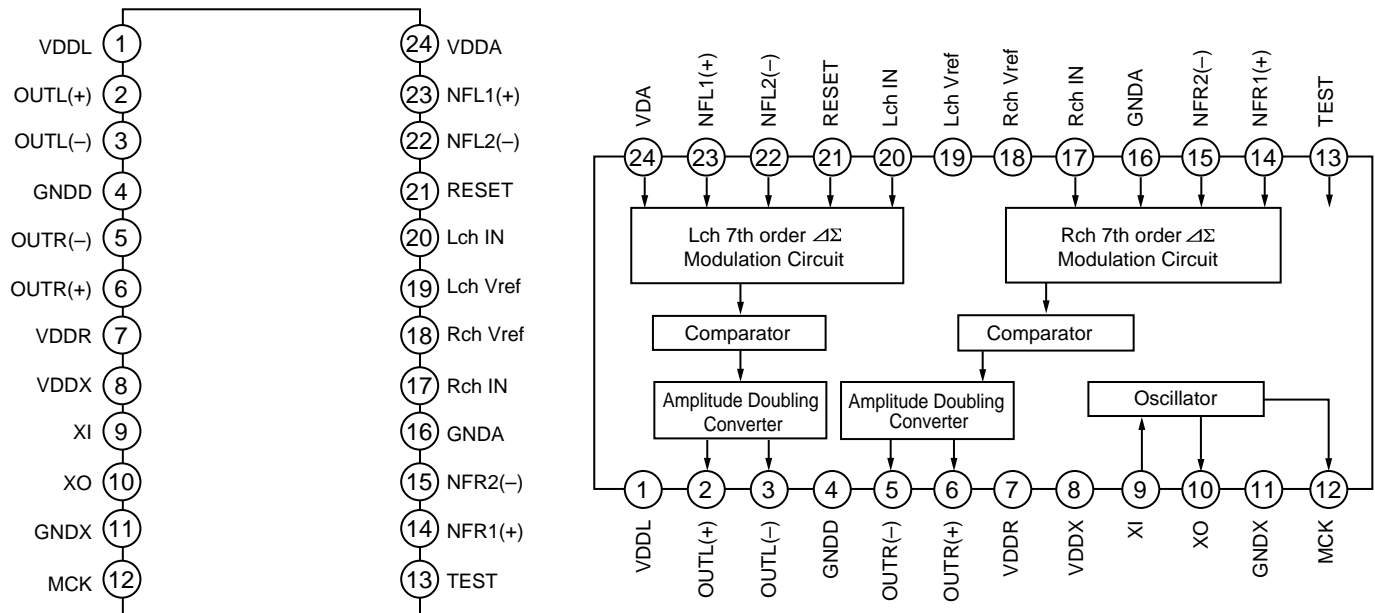


Figure 84 BLOCK DIAGRAM OF IC

ICD01 RH-iX0381AWZZ: System Microcomputer (IX0381AW) (1/2)

Pin No.	Terminal Name	Port Name	Input/Output	Remarks
1	P77/AN7	SD_ST_IN	Input (A/D Input)	Tuner tuning and stereo receiver signal detection. Not tuned: "H", SD input: "M", ST: "L"
2	P76/AN6	KEY1	Input (A/D Input)	A/D KEY input 1.
3	P75/AN5	KEY2	Input (A/D Input)	A/D KEY input 2.
4	P74/AN4	KEY3	Input (A/D Input)	A/D KEY input 3.
5	P73/AN3	P-DWN	Output	Vref voltage cut when detecting the power failure at SYS-STOP. "H"= Normal state, "L"= Power failure
6	P72/AN2	TUNER_SM	Input (A/D Input)	Tuning level detection. Output: "L"
7	P71/AN1	PROTECT	Input (A/D Input)	Ignored for 500 msec after detecting error and turning on the power. Power is turned off when the input voltage is 2.5 V or below.
8	P70/AN0	SPAN	Input (A/D Input)	Input: "L"
9	PB3	POWER	Output	Control of connection to or disconnection of the primary side power supply. "H"= Connection, "L"= Disconnection
10	PB2/DA	H.P_SW	Input	Switch for the headphones connection detection. "H"= Headphones, "L"= Speaker
11	P57/SRDY3/AN15	MD_DISC_IN	Input (A/D Input)	Detects the MD disc at the exit section inside the lid. 3.76 V or below= Exists at the exit. Over 3.76 V= Not exist at the exit.
12	P56/SCLK3/AN14	CD_SENS_A	Input	Clarion mechanism disc optical sensor A. "H"= Shut out by the disc, "L"= Not shut out
13	P55/SOUT3/AN13	CD_SENS_B	Input	Clarion mechanism disc optical sensor B. "H"= Shut out by the disc, "L"= Not shut out
14	P54/SIN3/AN12	CD_SENS_C	Input	Clarion mechanism disc optical sensor C. "H"= Shut out by the disc, "L"= Not shut out
15	P53/SRDY2/AN11	MD_LOAD_SW	Input	MD LOAD SW detection. "L" → "H"= DISC IN
16	P52/SCLK2/AN10	MD_ST	Output	1. Beginning of the CD track: 20 msec. "H" output 2. MD ON (RESET): 100 msec. "H" output
17	P51/SOUT2/AN9	MD_SERACH	Output	CD play: "L" (including CUEW/REVIW) Others: "H"
18	P50/SIN2/AN8	MD_RESET	Output	MD RESET output.
19	P67/SRDY1/CS/SCLK12	MD_D_STB	Input	MD strobe input.
20	P66/SCLK11	MD_D_SCK	Output	MD clock output.
21	P65/SOUT1	MD_KDATA	Output	MD KEY data.
22	P64/SIN1	MD_DATA	Input	MD data input.
23	P63/CNTR1	CD_BUS3	Input/Output	Data input/output terminal for CD interface 3. "L" output fixed except CD function.
24	P62/CNTR0	CD_BUS2	Input/Output	Data input/output terminal for CD interface 2. "L" output fixed except CD function.
25	P61/PWM	CD_BUS1	Input/Output	Data input/output terminal for CD interface 1. "L" output fixed except CD function.
26	P60	CD_BUS0	Input/Output	Data input/output terminal for CD interface 0. "L" output fixed except CD function.
27	P47/T3OUT	CD_BUCK	Output	Clock output terminal for CD interface. "L" output fixed except CD function.
28	P46/T1OUT	CD_CCE	Output	Chip enable output terminal for CD interface. "L" output fixed except CD function.
29	P45/INT1/ZCR	CD_CHK_SW	Input	Clarion mechanism disc chucking detection SW. "L"= Non-chucking, "H"= Chucking completed
30	P44/INT4	D_CONT	Input	"L" fixed.
31	P43/INT3	IC_CLK	Output	External control IC related clock. SANYO C bus, input/output expander.
32	P42/INT2	REMOCON_IN	Input	Remote control input.
33	P41	IC_DI	Output	External control IC related DATA output. SANYO C bus, input/output expander.
34	P40/INT0	SYS_STOP	Input	Microcomputer backup detection. "H"= Normal state. "H" → "L": Power failure detection
35	RESET	RESET	Input	Microcomputer reset terminal. "L" → "H": Microcomputer reset
36	PB1/XCIN	IC_CE	Output	External control IC related chip enable output. SANYO CCB bus
37	PB0/XCOUT	IC_DO	Input	External control IC related DATA output. SANYO CCB bus

ICD01 RH-iX0381AWZZ: System Microcomputer (IX0381AW) (2/2)

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ICD02 VHiBU2092F/-1: Input/Output Expander (BU2092F)

Pin No.	Terminal Name	Port Name	Function
1	VSS	GND	GND
2	DATA	DI	Serial data input.
3	CLOCK	CLK	Data shift clock.
4	LCK	LCK2	Data latch clock.
5	Q0	LINE_MUTE	Line mute. "L"= MUTE ON, "H"= MUTE OFF
6	Q1	CD_FUNC	CD function. "H"= Except CD function, "L"= CD function
7*	Q2	SP_RLY	Speaker relay. "H"= Relay ON, "L"= Relay OFF
8	Q3	SUR_ON/OFF	Surround. "H"= Surround OFF, "L"= Surround ON
9*	Q4	FAN_MOTOR	Cooling fan motor control. "H"= Motor run, "L"= Motor stop
10	Q5	SYS_MUTE	System MUTE. "H"= MUTE OFF, "L"= MUTE ON
11*	Q6	+B_CONT	1-bit section power control. "H"= Power ON, "L"= Power OFF
12*	Q7	A/D_RESET	1-bit $\Delta\Sigma$ IC reset control. "H"= Normal operation, "H" \rightarrow "L" \rightarrow "H"= Reset
13,14	Q8,Q9	DR_M+,DR_M-	CD/MD lid motor control. Q8 Q9 Q8 Q9 L L Brake L H Close SW H L Open SW H H Not used
15,16	Q10,Q11	LOAD_M+, LOAD_M-	CD DISC LOADING motor control. Q10 Q11 Q10 Q11 L L Free L H LOAD H L EJECT H H Brake
17	\overline{OE}	GND	Output enable.
18	VDD	VDD	Power supply +5 V.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

ICD03 VHiBU2092F/-1: Input/Output Expander (BU2092F)

Pin No.	Terminal Name	Port Name	Function
1	VSS	GND	GND
2	DATA	DI	Serial data input.
3	CLOCK	CLK	Data shift clock.
4	LCK	LCK1	Data latch clock.
5	Q0	LED_RED	Red of three-colored LED. "H"= OFF, "L"= ON
6	Q1	LED_GREEN	Green of three-colored LED. "H"= OFF, "L"= ON
7	Q2	LED_BLUE	Blue of three-colored LED. "H"= OFF, "L"= ON
8	Q3	LED_SP	MD normal mode, Green. "H"= OFF, "L"= ON
9	Q4	LED_LP2	MD 2 times mode, Blue. "H"= OFF, "L"= ON
10	Q5	LED_LP4	MD 4 times mode, Orange: "H"= OFF, "L"= ON
11	Q6	LED_SLEEP	SLEEP indication LED. "H"= OFF, "L"= ON
12*	Q7	LED_AUX	AUX function indication LED. "H"= OFF, "L"= ON
13*	Q8	LED_TUNER	TUNER function indication LED. "H"= OFF, "L"= ON
14*	Q9	LED_CD	CD function indication LED. "H"= OFF, "L"= ON
15*	Q10	LED_MD	MD function indication LED. "H"= OFF, "L"= ON
16	Q11	LED_MONO	MONO indication LED. "H"= OFF, "L"= ON
17	\overline{OE}	GND	Output enable.
18	VDD	VDD	Power supply +5 V.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

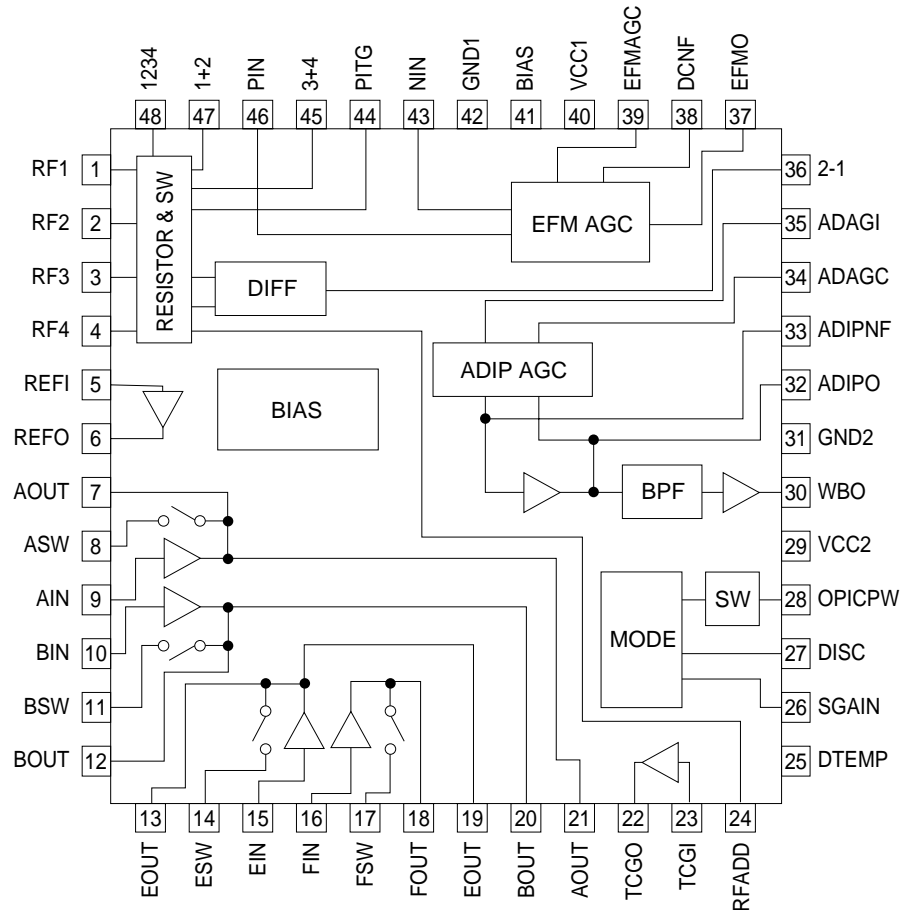
SD-NX10W

IC1101 VHiiR3R58M/-1: RF Signal Processor (IR3R58M)

Pin No.	Terminal Name	Function
1	RF1	RF signal input terminal 1. Input of RF signal output of pickup.
2	RF2	RF signal input terminal 2. Input of RF signal output of pickup.
3	RF3	RF signal input terminal 3. Input of RF signal output of pickup.
4	RF4	RF signal input terminal 4. Input of RF signal output of pickup.
5	REFI	Reference voltage amplifier input terminal.
6	REFO	Reference voltage amplifier output terminal.
7	AOUT	Output terminal 1 of signal amplifier for servo. (focus servo system)
8	ASW	Output terminal 2 of signal amplifier for servo. (focus servo system)
9	AIN	Reverse input terminal of signal amplifier for servo. (focus servo system)
10	BIN	Reverse input terminal of signal amplifier for servo. (focus servo system)
11	BSW	Output terminal 2 of signal amplifier for servo. (focus servo system)
12	BOUT	Output terminal 1 of signal amplifier for servo. (focus servo system)
13	EOUT	Output terminal 1 of signal amplifier for servo. (tracking servo system)
14	ESW	Output terminal 2 of signal amplifier for servo. (tracking servo system)
15	EIN	Reverse input terminal of signal amplifier for servo. (tracking servo system)
16	FIN	Reverse input terminal of signal amplifier for servo. (tracking servo system)
17	FSW	Output terminal 2 of signal amplifier for servo. (tracking servo system)
18	FOUT	Output terminal 1 of signal amplifier for servo. (tracking servo system)
19	EOUT	Output terminal 1 of signal amplifier for servo. (tracking servo system)
20	BOUT	Output terminal 1 of signal amplifier for servo. (focus servo system)
21	AOUT	Output terminal 1 of signal amplifier for servo. (focus servo system)
22	TCGO	Group mode: Track cross detection signal amplifier output terminal.
23	TCGI	Group mode: Track cross detection signal amplifier input terminal.
24	RFADD	Resistance addition output terminal of RF1 - RF4.
25	DTEMP	Chip temperature detection terminal.
26	SGAIN	Switch section control terminal of amplifier for servo.
27	DISC	Pit mode, groove mode selecting control terminal.
28*	OPICPW	Power output terminal for OPIC.
29	VCC2	Power supply terminal of digital section and power section.
30*	WBO	Comparator output terminal for binary coded ADIP signal.
31	GND2	GND terminal of digital section and power section.
32	ADIPO	ADIP signal pre-amplifier output terminal.
33*	ADIPNF	ADIP signal AGC amplifier output terminal.
34	ADAGC	Smoothing capacitor connection terminal for ADIP signal AGC.
35	ADAGI	ADIP signal AGC amplifier input terminal.
36	2-1	Differential signal of RF1, RF2.
37	EFMO	RF signal AGC amplifier output terminal.
38	DCNF	Smoothing capacitor connection terminal for RF signal AGC amplifier reference voltage.
39	EFMAGC	Smoothing capacitor connection terminal for RF signal AGC.
40	VCC1	Analog section power supply terminal.
41	BIAS	Bias input terminal.
42	GND1	Analog section GND terminal.
43	NIN	RF signal AGC amplifier reverse input terminal.
44	PITG	Pit mode: Ground terminal.
45	3 + 4	Groove mode: Resistance addition output terminal of RF3 and RF4.
46	PIN	RF signal AGC amplifier non-reverse input terminal.
47	1 + 2	Groove mode: Resistance addition output terminal of RF1 and RF2.
48	1234	Pit mode: Resistance addition output terminal of RF1 - RF4.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1101 VHiR3R58M/-1: RF Signal Processor (IR3R58M)



IC1201 VHiLR37816A-1: Endec/Atrac (LR37816A)

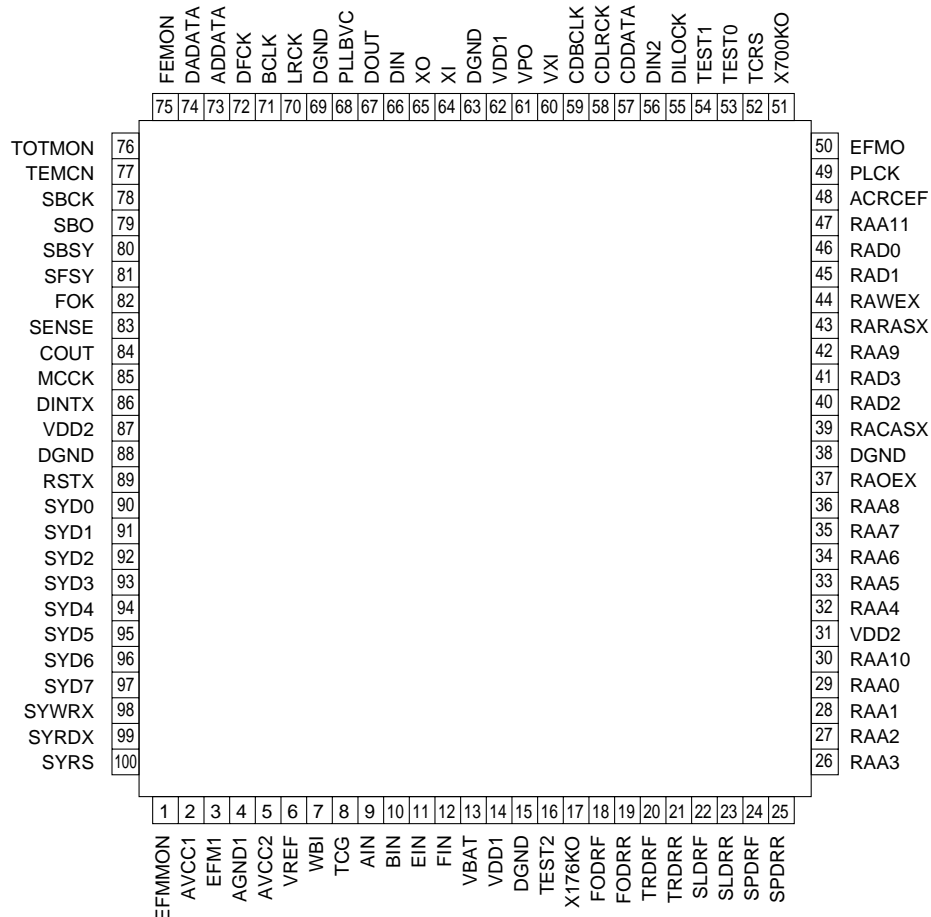


Figure 89 BLOCK DIAGRAM OF IC

SD-NX10W

IC1201 VHiLR37816A-1: Endec/Atrac (LR37816A) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1*	EFMMON	Output	EFM monitor output.
2	AVCC1	Input	Analog power supply. (for EFM system 8AD, 8DA)
3	EFMI	Input	EFM signal input from RF amplifier.
4	AGND1	—	Analog GND.
5	AVCC2	Input	Analog power supply. (for servo system, ADIP system 1bit AD)
6	VREF	Input	Reference voltage input for RF amplifier.
7	WBI	Input	ADIP wobble signal.
8	TCG	Input	Track cross signal.
9	AIN	Input	Focus error signal A.
10	BIN	Input	Focus error signal B.
11	EIN	Input	Tracking error signal E.
12	FIN	Input	Tracking error signal F.
13	VBAT	Input	Power voltage detection signal for constant voltage servo.
14	VDD1	Input	Internal digital power supply.
15	DGND	—	Digital GND.
16	TEST2	Input	Input for test. Connected to GND if used normally.
17*	X176KO	Output	Clock output. f= 176.4 kHz (4 fs)
18*	FODRF	Output	Focus servo forward output. PWM
19	FODRR	Output	Focus servo reverse output. PWM
20*	TRDRF	Output	Tracking servo forward output. PWM
21	TRDRR	Output	Tracking servo reverse output. PWM
22*	SLDRF	Output	Slide servo forward output. PWM
23	SLDRR	Output	Slide servo reverse output. PWM
24*	SPDRF	Output	Spindle servo forward output. PWM
25	SPDRR	Output	Spindle servo reverse output.
26	RAA3	Output	Address output to external D-RAM. ADR3
27	RAA2	Output	Address output to external D-RAM. ADR2
28	RAA1	Output	Address output to external D-RAM. ADR1
29	RAA0	Output	Address output to external D-RAM. ADR0 (LSB)
30*	RAA10	Output	Address output to external D-RAM. ADR10 (MSB)
31	VDD2	Input	Power supply for interface.
32	RAA4	Output	Address output to external D-RAM. ADR4
33	RAA5	Output	Address output to external D-RAM. ADR5
34	RAA6	Output	Address output to external D-RAM. ADR6
35	RAA7	Output	Address output to external D-RAM. ADR7
36	RAA8	Output	Address output to external D-RAM. ADR8
37	RAOEX	Output	Data output enable signal output to external D-RAM.
38	DGND	—	Digital GND.
39	RACASX	Output	Column address strobe signal output to external D-RAM.
40	RAD2	Input/Output	Data input and output with external D-RAM. D2
41	RAD3	Input/Output	Data input and output with external D-RAM. D3 (MSB)
42	RAA9	Output	Address output to external D-RAM. ADR9
43	RARASX	Output	Low address strobe signal output to external D-RAM.
44	RAWEX	Output	Data write enable signal output to external D-RAM.
45	RAD1	Input/Output	Data input and output with external D-RAM. D1
46	RAD0	Input/Output	Data input and output with external D-RAM. D0 (LSB)
47*	RAA11	Output	Address output to external D-RAM. ADR11 (MSB 64 Mbit)
48*	ACRCER	Output	CRC error flag monitor output of ADIP.
49*	PLCK	Output	Playback mode: EFM PLL clock output..
50	EFMO	Output	Recording mode: EFM signal output. Playback mode: C1F (C1 error flag) monitor output.
51*	X700KO	Output	Clock output. f= 705.6 kHz

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1201 VHiLR37816A-1: Endec/Atrac (LR37816A) (2/2)

Pin No.	Terminal Name	Input/Output	Function
52*	TCRS	Output	Track cross signal.
53	TEST0	Input	Input for test. Connected to GND if used normally.
54	TEST1	Input	Input for test. Connected to GND if used normally.
55	DILOCK	Output	DIN lock detection.
56	DIN2	Input/Output	Digital input signal. Expansion port 0.
57	CDDATA	Input/Output	Data input for dubbing. Expansion output port 1.
58	CDLRCK	Input/Output	LR clock input for dubbing. Expansion output port 2.
59	CDBCLK	Input/Output	Bit clock input for dubbing. Expansion output port 3.
60	VXI	Input	PLL clock input for variable pitch.
61*	VPO	Output	PLL phase error output for variable pitch.
62	VDD1	Input	Internal digital power supply.
63	DGND	—	Digital GND.
64	XI	Input	Transmit circuit input. 33.8688 MHz
65	XO	Output	Transmit circuit input. 33.8688 MHz
66	DIN	Input	Digital input signal.
67	DOUT	Output	Digital output signal.
68	PLLBVG	Output	For Internal PLL. Terminal for external capacitor.
69	DGND	—	Digital GND.
70	LRCK	Output	L-ch, R-ch selection output of music data.
71	BCLK	Output	Shift lock of music data.
72	DFCK	Output	Clock for AD/DA converter digital filter. 256 Fs
73	ADDATA	Input	Sound data input.
74	DADATA	Output	Sound data output.
75*	FEMON	Output	Focus error signal monitor output. Series resistance 10 - 100 kohm built-in.
76*	TOTMON	Output	Total signal monitor output. Series resistance 10 - 100 kohm built-in.
77*	TEMON	Output	Tracking error signal monitor output. Series resistance 10 - 100 kohm built-in.
78	SBCK	Input/Output	DIN subcode read clock. Expansion port 4.
79	SBO	Output	DIN subcode serial data. Expansion port 5.
80	SBSY	Output	DIN subcode block synchronous signal. Expansion port 6.
81	SFSY	Output	DIN subcode frame synchronous signal. Expansion port 7.
82	FOK	Output	Focus OK detection signal. "0": focus OK.
83	SENSE	Output	Servo condition detection signal.
84	COUT	Output	Track cross signal output.
85	MCCK	Output	Clock output for microcomputer.
86	DINTX	Output	Interrupt request output terminal to system computer interface.
87	VDD2	Input	Power supply for interface.
88	DGND	—	Digital GND.
89	RSTX	Input	Chip reset input. Reset by L. (Note)
90	SYD0	Input/Output	Data bus terminal of system computer interface. (LSB)
91-96	SYD1-SYD6	Input/Output	Data bus terminal of system computer interface.
97	SYD7	Input/Output	Data bus terminal of system computer interface. (MSB)
98	SYWRX	Input	Resister write pulse input of system computer interface.
99	SYRDX	Input	Resister read pulse input of system computer interface.
100	SYRS	Input	Resister selection input of system computer interface.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Note: Set RSTX to L when turning on the power or after turning on the power.

SD-NX10W

IC1202 RH-iX2474AFZZ: 4Mbit D-RAM (IX2474AF)

Pin No.	Terminal Name	Function
1, 2	DQ0, DQ1	Data input/Data output.
3	WE	Write enable.
4	RAS	Row address strobe.
5	A9	Address input.
6-9	A0-A3	Address input.
10	VDD	Power (3.3 V)
11-15	A4-A8	Address input.
16	OE	Output enable.
17	CAS	Column address strobe.
18, 19	DQ2, DQ3	Data input/Data output.
20	VSS	Ground (0 V)

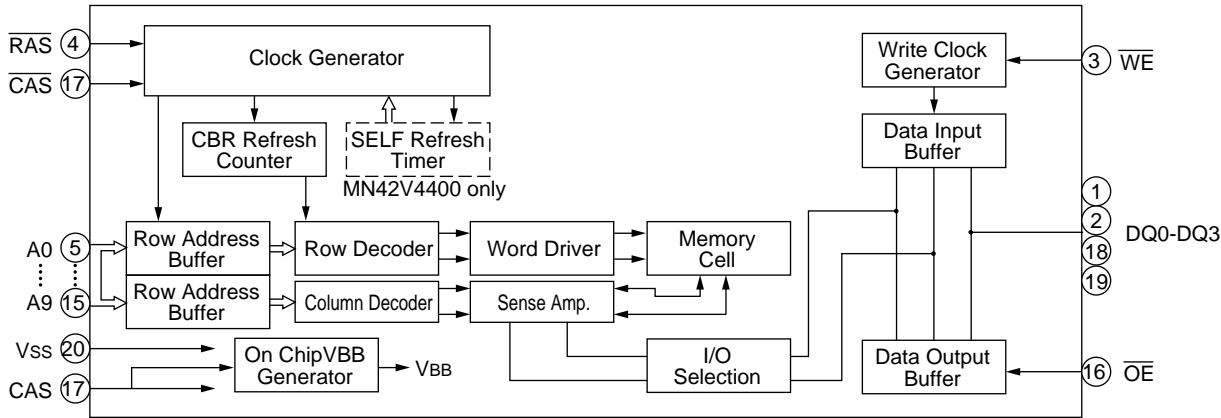


Figure 92-1 BLOCK DIAGRAM OF IC

IC1301 VHiFTD2005/-1: Head Driver (FTD2005) IC1302 VHiCPH5608/-1: Head Driver (CPH5608)

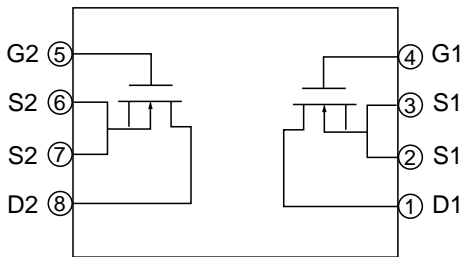


Figure 92-2 BLOCK DIAGRAM OF IC

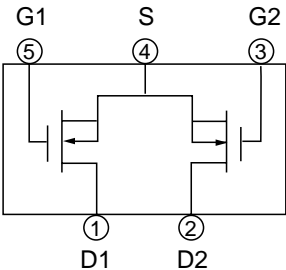


Figure 92-3 BLOCK DIAGRAM OF IC

IC1402 VHi58X2402T-1: EEPROM (58X2402T)

Pin No.	Terminal Name	Function
1-3	A0-A2	Device address.
4	VSS	Ground
5	SDA	Serial data input/output.
6	SCL	Serial clock input.
7	WP	Write protect.
8	VCC	Power supply.

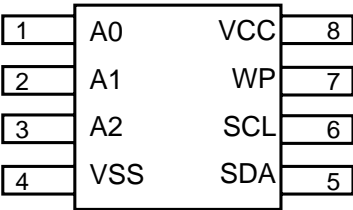


Figure 92-4 BLOCK DIAGRAM OF IC

IC1401 RH-iX0410AWZZ: MD System Microcomputer (IX0410AW) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	4M/16M	Output	4 M/16 M DRAM selection input.
2	64M	Output	64 M DRAM selection input.
3	LDVAR	Output	LDVAR (laser power adjustment output)
4*	ADJS	Output	ADJS (for automatic adjustment step check)
5	CIN	Input	CIN (track count signal input)
6*	N.C.	—	Not used.
7	UNLOCK	Input	ERR input. (UNLOCK of MD LSI monitor PLL)
8	BYTE	Input	GND
9	CNVSS	Input	GND
10*	STID OUT	Output	ST-ID output.
11*	SEACH OUT	Output	MD search output.
12	RESET	Input	RESET input.
13*	N.C.	Output	Clock output.
14	VSS	—	GND
15	MCCK	Input	EXTAL (8.4672 MHz)
16	VCC	Input	+3.15 V
17	P85	Input	Input output port P85.
18	DINT	Input	DINT (Interrupt input from MD-LSI)
19	SFSY	Input	Subcode communication frame synchro Interrupt input.
20	ST-ID	Input	ST-ID input. (MD-ON)
21	SERCH	Input	CD search input. (Synchronous REC interrupt input)
22	MDRSW	Output	MD RSW output.
23*	CDB SEL	Output	CD BLK SEL output.
24	DSENSE	Input	DSENSE (servo sense input from MD-LSI)
25	P-DOWN	Input	P-DOWN (blackout detection)
26	HDON	Output	HDON (magnetic head power ON/OFF output)
27	EEPRO	Output	EEPROM protect release output.
28	HFON	Output	HFON
29	EEPK	Output	EEPROM serial clock output.
30	EEPD	Input/Output	EEPROM data input output.
31	MD DATA	Output	MD computer data input output.
32	K DATA	Input	System computer data input.
33	DSCK	Input	System computer clock input.
34	DSTB	Output	DSTB (system computer communication possible and during communication)
35*	N.C.	Output	Not used.
36	SBO	Input	Subcode serial data input.
37	SBCK	Output	Subcode communication serial clock output.
38	DISC	Output	DISC
39	R/P	Output	R/P output. (REC/PLAY selection)
40	FOK	Input	FOK (focus servo condition monitor input)
41	FLASH L	Input	Flash write selection.
42	SGAIN	Output	SGAIN
43	SYRS	Output	MD LSI register select signal output.
44	SYRD	Output	SYRD (MD-LSI read signal output)
45	SYWR	Output	SYWR (MD-LSI write signal output)
46	FLASH H	Input	Flash write selection.
47	SYS D7	Input/Output	SYS D7 (data bus 7)
48	SYS D6	Input/Output	SYS D6 (data bus 6)
49	SYS D5	Input/Output	SYS D5 (data bus 5)
50	SYS D4	Input/Output	SYS D4 (data bus 4)
51	SYS D3	Input/Output	SYS D3 (data bus 3)

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

SD-NX10W

IC1401 RH-iX0410AWZZ: MD System Microcomputer (IX0410AW) (2/2)

Pin No.	Terminal Name	Input/Output	Function
52	SYS D2	Input/Output	SYS D2 (data bus 2)
53	SYS D1	Input/Output	SYS D1 (data bus 1)
54	SYS D0	Input/Output	SYS D0 (data bus 0)
55*	SLOT1	Output	Input/output port P37
56*	SLOT2	Output	Input/output port P36
57*	SLOT3	Output	Input/output port P35
58*	SLOT4	Output	Input/output port P34
59*	SLOT5	Output	Input/output port P33
60*	P32	Output	Input/output port P32
61	CRTRG SW	Output	Input/output port P31
62	VCC	Input	+3.15 V
63	INNER	Input	Pick most inner periphery detection input.
64	GND	—	GND
65	L3 DATA	Output	L3 DATA (soft serial communication, 2 mode presence, LSB first)
66	L3 MODE	Output	L3 MODE (soft serial communication, 2 mode presence, LSB first)
67	L3 CLK	Output	L3 CLK (soft serial communication, 2 mode presence, LSB first)
68*	P24	Output	Input/output port P24
69*	P23	Output	Input/output port P23
70	PCNT0	Output	PCNT0 output
71*	LAST	Output	LAST
72	LDON	Output	LDON output. (H : ON)
73	\bar{A}/B	Output	ANLPTR output. ADC/DAC selection input.
74	SBSY	Output	Subcode communication block synchro input.
75*	DAPON	Output	DAPON output. (for CK)
76*	DFS0	Output	DFS0 output.
77*	DFS1	Output	DFS1 output.
78	5/ $\bar{3}$	Output	Input/output port P12
79	C/ \bar{N}	Output	Input/output port P11
80	XRST	Output	XRST (system reset output)
81*	ADMUTE	Output	ADMUTE output. (for CK)
82	LD+	Output	Loading motor + side control output.
83	LD-	Output	Loading motor - side control output.
84*	MUTE	Output	MUTE output.
85*	RAST	Output	RAST
86*	TEST2	Input	TEST 2
87*	TEST1	Input	TEST 1
88*	TEST0	Input	TEST 0
89	AVCK3	Input	AVCK3 (motor driver power monitor input)
90	AVCK2	Input	AVCK2 (AD/DA section 3.1 V monitor input)
91	AVCK1	Input	AVCK1 (head circuit power monitor input)
92	DTEMP	Input	DTEMP (temperature detection input)
93	MINF	Input	MINF (disc type/REC input/mecha position)
94*	TEST K1	Input	TEST K1
95*	TEST K2	Input	TEST K2
96	GND	—	GND
97*	N.C.	—	Not used.
98	VREF	Input	+3.15 V
99	AVCC	Input	+3.15 V
100	PR	Input	Playback/recording unit setting input.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1701 VHiUDA1345/-1: AD/DA Converter (UDA1345)

Pin No.	Terminal Name	Function
1	VSSA	AD converter analog ground.
2	VDDA	AD converter analog power.
3	VINL	AD converter input. (left)
4	VREFA	AD converter reference voltage.
5	VINR	AD converter input. (right)
6	VADCN	AD converter reference voltage N.
7	VADCP	AD converter reference voltage P.
8*	MC1	Mode control 1. (Pulled-down)
9*	MP1	Multipurpose pin 1
10	VDDD	Digital power.
11	VSSD	Digital ground.
12	SYSCLK	System clock 256 fs, 384 fs, 512 fs
13	MP2	Multipurpose pin 2
14	MP3	Multipurpose pin 3
15	MP4	Multipurpose pin 4
16	BCK	Bit clock input.
17	WS	Word select input.
18	DATAO	Data output.
19	DATAI	Data input.
20*	MP5	Multipurpose pin 5. (Pulled-down)
21*	MC2	Mode control 2. (Pulled-down)
22	AVSS	DA converter analog ground.
23	AVDD	DA converter analog power.
24	VOUTR	DA converter output. (right)
25	VDDO	Opeamp power.
26	VOUTL	DA converter output. (left)
27	VSSO	Opeamp ground.
28	VREFD	AD converter reference voltage.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

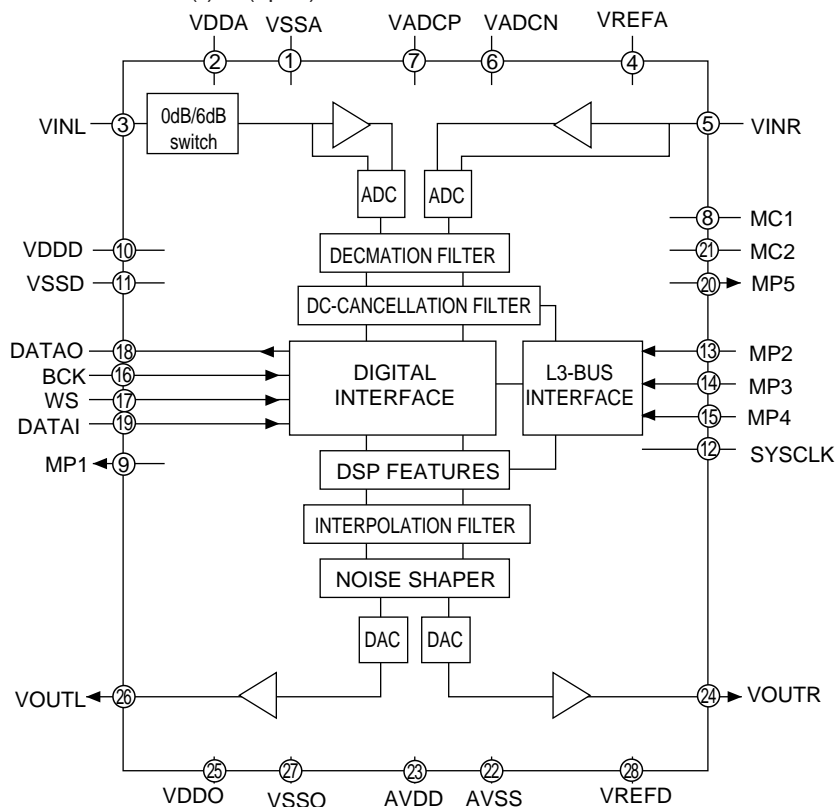
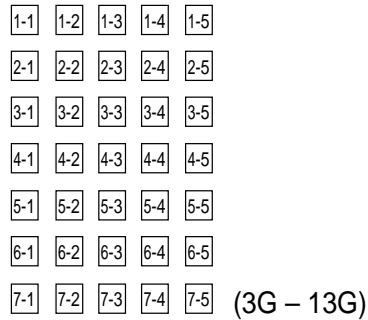
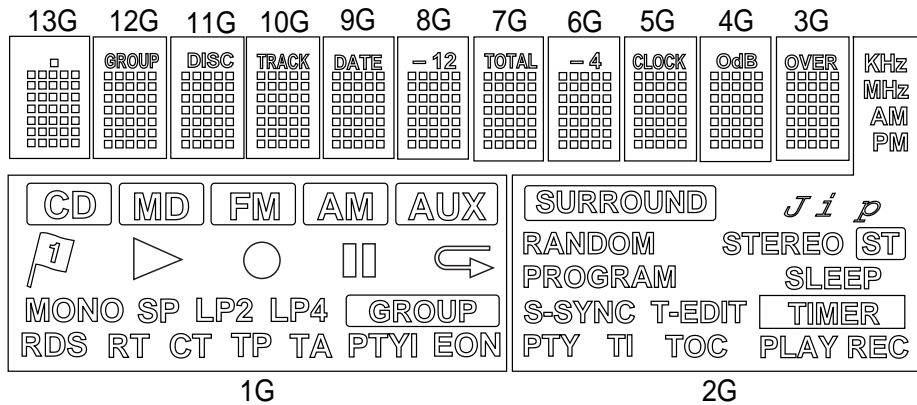


Figure 95 BLOCK DIAGRAM OF IC

FL DISPLAY

FLD01: VVKHNA13LS3-1



CONNECTION

PIN No.	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
CONNECTION	F2	NP	F2	NP	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	P36	P35

PIN No.	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
CONNECTION	P34	P33	P32	P31	P30	P29	P28	P27	P26	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15

PIN No.	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	F1	NP	F1

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G
P1	-	-	OVER	OdB	CLOCK	-4	TOTAL	-12	DATE	TRACK	DISC	GROUP	□
P2	-	-	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1	1-1
P3	-	-	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2
P4	-	-	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
P5	-	-	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
P6	-	-	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
P7	-	-	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1	2-1
P8	-	-	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2	2-2
P9	-	-	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
P10	-	-	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
P11	-	-	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5	2-5
P12	-	-	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1	3-1
P13	-	-	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2	3-2
P14	-	-	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3
P15	RDS	-	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4
P16	RT	-	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
P17	CT	KHz	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1
P18	TP	MHz	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2	4-2
P19	TA	AM	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3	4-3
P20	PTYI	PM	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4	4-4
P21	EON	PTY	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

	1G	2G	3G - 13G
P22	GROUP	TI	5-1
P23	LP4	TOC	5-2
P24	LP2	PLAY	5-3
P25	SP	REC	5-4
P26	MONO	S-SYNC	5-5
P27	1	T-EDT	6-1
P28	▶	TIMER	6-2
P29	○	PROGRAM	6-3
P30	□	SLEEP	6-4
P31	◀	RANDOM	6-5
P32	CD	STEREO	7-1
P33	MD	ST	7-2
P34	FM	SURROUND	7-3
P35	AM	J i	7-4
P36	AUX	p	7-5

SHARP PARTS GUIDE

1-BIT DIGITAL AUDIO SYSTEM

MODEL SD-NX10W

SD-NX10W 1-bit Digital Audio System consisting of SD-NX10W (MD/CD/TUNER unit), SD-NX10W (amplifier unit) and CP-NX10W (speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. No. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC Ceramic type
 VCK Ceramic type
 VCT Semiconductor type
 VC •• MF Cylindrical type (without lead wire)
 VC •• MN Cylindrical type (without lead wire)
 VC •• TV Square type (without lead wire)
 VC •• TQ Square type (without lead wire)
 VC •• CY Square type (without lead wire)
 VC •• CZ Square type (without lead wire)
 VC J .. The 13th character represents capacity difference.
 ("J" $\pm 5\%$, "K" $\pm 10\%$, "M" $\pm 20\%$, "N" $\pm 30\%$,
 "C" ± 0.25 pF, "D" ± 0.5 pF, "Z" ± 80 -20%.)

If there are no indications for the electrolytic capacitors, error is $\pm 20\%$.

Resistors

VRD Carbon-film type
 VRS Carbon-film type
 VRN Metal-film type
 VR •• MF Cylindrical type (without lead wire)
 VR •• MN Cylindrical type (without lead wire)
 VR •• TV Square type (without lead wire)
 VR •• TQ Square type (without lead wire)
 VR •• CY Square type (without lead wire)
 VR •• CZ Square type (without lead wire)
 VR J .. The 13th character represents error.
 ("J" $\pm 5\%$, "F" $\pm 1\%$, "D" $\pm 0.5\%$.)

If there are no indications for other parts, the resistors are $\pm 5\%$ carbon-film type.

NOTE:

Parts marked with "△" are important for maintaining the safety of the set.

Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

SD-NX10W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SD-NX10W									
INTEGRATED CIRCUITS									
IC601	VHIKIA7812AP1	J	AF	Constant Voltage Regulator, KIA7812AP	QD01	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
IC602	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805AP	QD03~05	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M
IC650	VHPTORX178A-1	J	AQ	Digital In, TORX178A	QD06	VSKRC104M/-1	J	AC	Digital, NPN, KRC104 M
IC800	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805AP	QD07	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
IC801	VHIKIA7810AP1	J	AF	Voltage Regulator, KIA7810AP	QD08	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
IC802	VHIKIA7808AP1	J	AF	Voltage Regulator, KIA7808AP	QD09,10	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M
IC804	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805AP	QD11	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
IC805	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05	QD12	VSKRC104M/-1	J	AC	Digital, NPN, KRC104 M
IC806	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805AP	QD13	VSKRA106M++-1	J		Digital, PNP, KRA106 M
IC807	VHIKIA7810AP1	J	AF	Voltage Regulator, KIA7810AP	QP01,02	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
IC1101	VHIIR3R58M/-1	J	AM	RF Signal Processor, IR3R58M	QP03,04	VS2SC2878B/-1	J	AC	Silicon, NPN, 2SC2878 B
IC1201	VHILR37816A-1	J	BQ	Endec/Atrac, LR37816A	QP05	VSKTA1266GR-1	J	AB	Silicon, PNP, KTA1266 GR
IC1202	RH-IX2474AFZZ	J	BF	4Mbit D-RAM, IX2474AF	QP06	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M
IC1300	VHI74ACT02T-1	J	AE	Head Driver, 74ACT02T	QP07,08	VS2SC2878B/-1	J	AC	Silicon, NPN, 2SC2878 B
IC1301	VHIFTD2005/-1	J	AG	Head Driver, FTD2005	QP09	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M
IC1302	VHICPH5608/-1	J	AH	Head Driver, CPH5608	QP11,12	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
IC1401	RH-IX0410AWZZ	J	AY	MD System Microcomputer, IX0410AW	QP13,14	VSKTA1266GR-1	J	AB	Silicon, PNP, KTA1266 GR
IC1402	VHI58X2402T-1	J	AF	EEPROM, 58X2402T	QS01	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M
IC1601	VHIM56788FP-1	J	AX	Motor Driver, M56788FP	QS02	VS2SK246GR/-1	J	AB	FET, 2SK246 GR
IC1701	VHIUDA1345/-1	J	AU	AD/DA Converter, UDA1345	QU04	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
IC1702	VHINJM431U/-1	J	AE	Regulator, NJM431U	QV85	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
IC1801	VHIXC62EP32-1	J	AE	Regulator, XC62EP32	QV87	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
IC1802	VHIXC62FP26P1	J	AG	Regulator, XC62FP26P	QV88	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
ICA100	RH-IX2815AFZZ	J	AV	7th Order $\Delta\Sigma$ Modulation Conversion LSI, IX2815AF	QV90	VSKTA1271Y/-1	J	AC	Silicon, PNP, KTA1271 Y
ICA101~104	VHIHIP2100/-1	J	AQ	FET Driver, HIP2100	QV91,92	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
ICA105	VHINJM78M9D-1	J	AG	+9V Voltage Regulator, NJM78M9D	QV93	VSKTC3203Y/-1	J	AC	Silicon, NPN, KTC3203 Y
ICA110	VHITC74AC8T-1	J	AH	AND Gate, TC74AC8T	QV94	VSKRC107M/-1	J	AC	Digital, NPN, KRC107 M
ICD01	RH-IX0381AWZZ	J	AY	System Microcomputer, IX0381AW	QV95~99	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR
ICD02,03	VHIBU2092F/-1	J	AM	Input/Output Expander, BU2092F	DIODES				
ICE04	VHIPST9140/-1	J	AG	Reset, PST9140	D601~609	VHDDS1N404S-1	J	AB	Silicon, DS1N404S
ICP01	VHINJM4580M/-1	J	AE	Buffer Amp., NJM4580M	D610~612	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
ICS01	VHINJM4580M-1	J	AE	Surround Amp., NJM4580M	D614~620	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
ICU01	VHILC75341M-1	J	AM	Audio Processor, LC75341M	△ D800	VHDT54B03GM-1	J	AK	Silicon, TS4B03GM
ICU02	VHI74VHC00F/-1	J	AE	Inverter, 74VHC00F	D801~804	VHD2A02M+++X	J	AC	Silicon, 2A02M
ICU03	VHITA7291S/-1	J	AH	Loading Motor Driver, TA7291S	D809	VHDDS1N404S-1	J	AB	Silicon, DS1N404S
ICU04	VHI74VHC08F/-1	J	AE	Inverter, 74VHC08F	D810	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
ICU05	VHILC89051V-1	J	AX	Digital Audio Interface, LC89051	D811,812	VHDDS1N404S-1	J	AB	Silicon, DS1N404S
ICV91	VHIBU2092F/-1	J	AM	Input/Output Expander, BU2092F	D813~817	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
ICV98,99	VHIKIA4558P-1	J	AC	Ope Amp., KIA4558P	D820~824	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
TRANSISTORS					D827	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q601	VSKTA1023Y/-1	J	AE	Silicon, PNP, KTA1023 Y	D828	VHDDS1N404S-1	J	AB	Silicon, DS1N404S
Q602	VSKTA1271Y/-1	J	AC	Silicon, PNP, KTA1271 Y	D829	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q603	VSKTA1273Y/-1	J	AE	Silicon, PNP, KTA1273 Y	D900~903	VHDDS1N404S-1	J	AB	Silicon, DS1N404S
Q605	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR	D904	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q606	VSKRA107M/-1	J	AE	Digital, PNP, KRA107 M	D1300	VHDSBE803/-1	J	AD	Silicon, SBE803
Q801	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR	D1401	VHDSB00703Q-1	J	AB	Silicon, SB00703Q
Q803	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR	D1402	VHD1SS355/-1	J	AB	Silicon, 1SS355
Q900,901	VSKTC3199GR-1	J	AB	Silicon, NPN, KTC3199 GR	DA100~107	VHDKDS160/-1	J	AB	Silicon, KDS160
Q1402	VSUN2113/-1	J	AB	Digital, PNP, UN2113	DA108,109	VHD1SS362++-1	J	AD	Silicon, 1SS362
Q1403	VSUN2213/-1	J	AB	Digital, NPN, UN2213	DA112~119	VHDSFPW56++-1	J	AE	Silicon, SFPW56
Q1501	VSUN2214/-1	J	AB	Digital, NPN, UN2214	DA126~129	VHD1SS361/-1	J	AB	Silicon, 1SS361
Q1700	VS2SD601AR/-1	J	AC	Silicon, NPN, 2SD601 AR	DA130	VHDKDS160/-1	J	AB	Silicon, KDS160
Q1701	VSUN2213/-1	J	AB	Digital, NPN, UN2213	DA131	VHD11ES4TB5-1	J	AA	Silicon, 11ES4TB5
Q1702	VS2SA1162G/-1	J	AB	Silicon, PNP, 2SA1162 G	DA132	VHDKDS160/-1	J	AB	Silicon, KDS160
Q1800	VSUN2214/-1	J	AB	Digital, NPN, UN2214	DD01~07	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1801	VS2SA1162G/-1	J	AB	Silicon, PNP, 2SA1162 G	DP01,02	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1802	VSUN2214/-1	J	AB	Digital, NPN, UN2214	DP03~06	VHD11ES1/-1	J	AB	Silicon, 11ES1
Q1803	VSUN221N/-1	J	AB	Digital, NPN, UN221 N	DP07,08	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1804	VS2SB1205++-1	J	AF	Silicon, PNP, 2SB1205	DS01	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1805	VS2SA1314C/-1	J	AD	Silicon, PNP, 2SA1314 C	DU01	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1806	VSUN221N/-1	J	AB	Digital, NPN, UN221 N	DU03	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
Q1807	VS2SD601AR/-1	J	AC	Silicon, NPN, 2SD601 AR	DV86~93	VHDDS1SS133-1	J	AB	Silicon, DS1SS133
QA100,101	VSSLA5001++-1	J	AT	Power FETx4, SLA5001	LED800	VHPDB3804X+-1	J	AU	LED, Blue, DB3804X
QA102	VSKRA225S++-1	J	AD	Digital, PNP, KRA225 S	LEDD01	RUNTK3503AWS1	J	AZ	Three Colors LED, STM515AS
QA103	VSKRC102S/-1	J	AB	Digital, NPN, KRC102 S	LEDD02	VHP2647RT49-1	J	AD	LED, Red, 2647RT49
					LEDD03	VHP4204UGT9++	J		LED, Green, 4204UGT9
					LEDD04	VHPLNG901CF-1	J	AS	LED, Blue, LNG901CF
					LEDD05,06	VHP4204UYT9-1	J	AD	LED, Yellow, 4204UYT9
					LEDD13	RUNTK3503AWS1	J	AZ	Three Colors LED, STM515AS
					LEDD14	VHP4204UYT9-1	J	AD	LED, Yellow, 4204UYT9
					LEDD15	VHPDB3804X+-1	J	AU	LED, Blue, DB3804X
					ZD601	VHEDZ330BSD-1	J	AC	Zener, 33V, DZ33BSD
					ZD602	VHEDZ5R1BSB-1	J	AC	Zener, 5.1V, DZ5.1BSB
					ZD603	VHEDZ130BSC-1	J	AB	Zener, 13V, DZ13BSC
					ZD604	VHEDZ6R2BSB-1	J	AC	Zener, 6.2V, DZ6.2BSB
					ZD801	VHEDZ5R1BSA-1	J	AB	Zener, 5.1V, DZ5.1BSA
					ZD830,831	VHEDZ8R2BSB-1	J	AB	Zener, 8.2V, DZ8.2BSB
					ZD900,901	VHEDZ160BSA-1	J	AD	Zener, 16V, DZ160A
					ZDA110	VHEMA8051M/-1	J	AC	Zener, MA8051M
					ZDA111	VHE02DZ120+-1	J	AC	Zener, 12V, 02DZ12

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
ZDU01,02	VHEDZ3R3BSA-1	J	AB	Zener,3.3V,DZ3.3BSA
ZDU03	VHEDZ100BSB-1	J	AB	Zener,10V,DZ10BSB
ZDV99	VHEDZ6R8BSB-1	J	AB	Zener,6.8V,DZ6.8BSB

TRANSFORMERS

△ T601	RTRNP0336AWZZ	J	AN	Power
△ T901	RTRNP0266AWZZ	J	AQ	Power,Sub
△ T991	RTRNP0340AWZZ	J	BC	Power,Main

COILS

L651	VP-XH2R2K0000	J	AB	2.2 μH,Choke
△ L900	RCILZ0021AWZZ	J	AF	AC Line Filter
L1100	VPBNNR47K0000	J	AC	0.47 μH
L1101	VPBNN100K0000	J	AC	10 μH
L1200	VPBNN4R7K0000	J	AC	4.7 μH
L1201,1202	VPBNNR47K0000	J	AC	0.47 μH
L1300	RCILC0358AFZZ	J	AC	4.7 μH,Choke
L1501	RCILZ0016AWZZ	J	AD	1 μH
L1502	VPBNN4R7K0000	J	AC	4.7 μH
L1551,1552	VPBNNR47K0000	J	AC	0.47 μH
L1554	VPBNNR47K0000	J	AC	0.47 μH
L1600	RCILZ0016AWZZ	J	AD	1 μH
L1701,1702	VPBNN100K0000	J	AC	10 μH
LA100	RCILZ0031AWZZ	J	AM	Coil,20 μH,10%
LA102	RCILZ0031AWZZ	J	AM	Coil,20 μH,10%
LA104	RCILZ0031AWZZ	J	AM	Coil,20 μH,10%
LA106	RCILZ0031AWZZ	J	AM	Coil,20 μH,10%
LA124	RCORF0087AFZZ	J	AC	Core
LA127	RCORF0020AWZZ	J	AD	Core,Ferrite Core
LA130~133	RCORF0019AWZZ	J	AD	Core,Ferrite Core
LD02,03	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
LFA01,02	RCILZ0030AWZZ	J	AK	Coil,6.75 μH
LFA03,04	RCILZ0029AWZZ	J	AK	Coil,2.6 μH
LFA05,06	RCILZ0030AWZZ	J	AK	Coil,6.75 μH
LP01	VP-XH2R2K0000	J	AB	2.2 μH,Choke
LU01	VP-XH2R2K0000	J	AB	2.2 μH,Choke

VARIABLE RESISTORS

VRA100	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [L-CH Output Offset Adjust- ment]
VRA101	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [R-CH Output Offset Adjust- ment]

VIBRATORS

CXA100	RCRSP0021AWZZ	J	AG	Crystal,11.2896 Hz
XL1201	RCRSC0001AWZZ	J	AL	Crystal,33.8688 MHz
XLD01	RCRSP0009AWZZ	J	AK	Crystal,8.3886 MHz

THERMISTOR

△ PSV801	RH-QX0006AWZZ	J	AE	Posistor,4.7 ohms
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CAPACITORS

C601,602	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C603	VCEAZV1EW228M	J	AG	2200 μF,25V,Electrolytic
C604	VCEAZV1EW108M	J	AE	1000 μF,25V,Electrolytic
C605	VCEAZV1HW477M	J	AE	470 μF,50V,Electrolytic
C606,607	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C608	VCEAZA1JW476M	J	AC	47 μF,63V,Electrolytic
C609,610	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C611	VCEAZA1VW107M	J	AC	100 μF,35V,Electrolytic
C612	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C613	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C614	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C615	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C616	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C617,618	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C619	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C620	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C621	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C622	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C630	VCKYBT1HB102K	J	AA	0.001 μF,50V
C650	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C651	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C652,653	VCKYBT1HB102K	J	AA	0.001 μF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C654	VCEAEA1HW474M	J	AB	0.47 μF,50V,Electrolytic
C655	VCKYBT1HB102K	J	AA	0.001 μF,50V
C657	VCKYBT1HB102K	J	AA	0.001 μF,50V
C658	VCTYMN1HB102K	J	AA	0.001 μF,50V
C659	VCKYBT1HB102K	J	AA	0.001 μF,50V
C800,801	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film
C802,803	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C804,805	RC-EZ0049AWZZ	J	AP	6800 μF,25V,Electrolytic
C806	VCTYBT1CY103M	J	AA	0.01 μF,16V
C807	VCEAZW1EW478M	J	AK	4700 μF,25V,Electrolytic
C808,809	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C815	RC-EZD105AF1H	J	AB	1 μF,50V,Electrolytic
C816	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C817	VCFYHA1HA473J	J	AB	0.047 μF,50V,Thin Film
C818	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
C819	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C820	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C821	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C822	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C823	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C824	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C825	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C826	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C830	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C831	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C832	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C833	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C834	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C835	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C836	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C837	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C838	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C839	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C845	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
△ C900	RC-KZ001LAWZZ	J	AB	0.0047 μF,250VAC,Ceramic
C901,902	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C903	VCEAZA1EW477M	J	AD	470 μF,25V,Electrolytic
C1100	RC-KZ0003AWZZ	J	AE	4.7 μF,10V
C1107	VCKYCY1CB223K	J	AA	0.022 μF,16V
C1110,1111	VCKYTV1CF105Z	J	AB	1 μF,16V
C1112	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V
C1113	VCKYTV0JB105K	J	AD	1 μF,6.3V
C1114,1115	VCKYCY1CB104K	J	AB	0.1 μF,16V
C1116	VCKYTV0JB105K	J	AD	1 μF,6.3V
C1117	VCKYTV1CF105Z	J	AB	1 μF,16V
C1118,1119	VCKYTV1CB474K	J	AC	0.47 μF,16V
C1121	VCKYTV1CB224K	J	AB	0.22 μF,16V
C1122	VCKYTV1CF105Z	J	AB	1 μF,16V
C1123	VCKYCY1CB104K	J	AB	0.1 μF,16V
C1124	VCKYTV1CB104K	J	AB	0.1 μF,16V
C1125	VCKYTV1CF105Z	J	AA	1 μF,16V
C1200	VCKYTV1CF105Z	J	AB	1 μF,16V
C1201	RC-KZ0002AWZZ	J	AE	10 μF,10V
C1202,1203	VCKYTV1CF105Z	J	AB	1 μF,16V
C1205	VCKYTV1CF105Z	J	AB	1 μF,16V
C1206	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1207	VCKYTV1CF105Z	J	AB	1 μF,16V
C1208,1209	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C1210	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C1211	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1230	VCKYTV1CF105Z	J	AB	1 μF,16V
C1261~1265	VCCCCY1HH221J	J	AA	220 pF (CH),50V
C1266	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C1300	VCCCTV1HH470J	J	AA	47 pF (CH),50V
C1301	VCKYCY1CB223K	J	AA	0.022 μF,16V
C1302	RC-KZ0002AWZZ	J	AE	10 μF,10V
C1303	VCKYTV1CF105Z	J	AB	1 μF,16V
C1304	VCCCTV1HH221J	J	AA	220 pF (CH),50V
C1403,1404	VCKYCY1HF103Z	J	AB	0.01 μF,50V
C1405,1406	VCKYCY1HB681K	J	AA	680 pF,50V
C1407	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1409	VCKYTV1CF105Z	J	AB	1 μF,16V
C1501	VCKYTV1CF105Z	J	AB	1 μF,16V
C1502	VCCCTV1HH331J	J	AA	330 pF (CH),50V
C1503	VCKYTQ1CB334K	J	AC	0.33 μF,16V
C1505	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1506	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C1507	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1509	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C1602	VCCCCY1HH471J	J	AA	470 pF (CH),50V
C1603	VCCCCY1HH681J	J	AC	680 pF (CH),50V
C1606	RC-KZ0002AWZZ	J	AE	10 μF,10V

SD-NX10W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C1607	VCKYTV1CF105Z	J	AB	1 μF,16V	CD12~14	VCCSMN1HL470J	J	AA	47 pF,50V
C1610	RC-KZ0003AWZZ	J	AE	4.7 μF,10V	CD16,17	VCKYMN1HB101K	J	AA	100 pF,50V
C1611	VCKYCY1HB472K	J	AA	0.0047 μF,50V	CD18	VCCSMN1HL470J	J	AA	47 pF,50V
C1613	VCKYCY1CB103K	J	AA	0.01 μF,16V	CD19	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C1616	VCEAPS107AF1A	J	AD	100 μF,10V,Electrolytic	CD20	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C1619	VCCCCY1HH331J	J	AA	330 pF (CH),50V	CD21,22	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C1655	VCKYCY1HF103Z	J	AB	0.01 μF,50V	CD23	VCCCMN1HH180J	J	AA	18 pF (CH),50V
C1700,1701	VCEAPS476AF0G	J	AC	47 μF,4V,Electrolytic	CD29	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C1702	VCKYCY1HB102K	J	AA	0.001 μF,50V	CD30	VCEAEA1CW106M	J	AB	10 μF,16V,Electrolytic
C1703	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CD31	VCKYBT1HB101K	J	AA	100 pF,50V
C1704	VCEAPS476AF0G	J	AC	47 μF,4V,Electrolytic	CD32~35	VCKYMN1HB101K	J	AA	100 pF,50V
C1705	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CD38	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C1706	VCKYTV1HF103Z	J	AA	0.01 μF,50V	CD39	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C1707	VCKYTV1CF105Z	J	AB	1 μF,16V	CD40,41	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C1708,1709	VCKYTV1HF103Z	J	AA	0.01 μF,50V	CD42,43	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C1710	RC-EZ1620AFZZ	J	AC	10 μF,16V,Electrolytic	CD45	VCKYMN1HB151K	J	AA	150 pF,50V
C1711	VCEAPS476AF0G	J	AC	47 μF,4V,Electrolytic	CD46	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C1712	RC-EZ1620AFZZ	J	AC	10 μF,16V,Electrolytic	CD47	VCTYMN1CY103M	J	AA	0.01 μF,16V
C1713	VCKYTV1HF103Z	J	AA	0.01 μF,50V	CD48	VCEAEA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C1714	VCKYTV1CF105Z	J	AB	1 μF,16V	CD49	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C1715	VCKYTV1CB104K	J	AA	0.1 μF,16V	CD50	VCEAZA1AW477M	J	AC	470 μF,10V,Electrolytic
C1716	VCEAPS476AF0G	J	AC	47 μF,4V,Electrolytic	CD51	VCEAEA1CW226M	J	AB	22 μF,16V,Electrolytic
C1741	VCCCCY1HH681J	J	AC	680 pF (CH),50V	CD52	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C1750	VCCCCY1HH681J	J	AC	680 pF (CH),50V	CD53	VCEAEA1CW226M	J	AB	22 μF,16V,Electrolytic
C1800	VCEAPS227AF0G	J	AC	220 μF,4V,Electrolytic	CD54	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C1801,1802	RC-KZ0002AWZZ	J	AE	10 μF,10V	CD55	VCEAEA1CW106M	J	AB	10 μF,16V,Electrolytic
C1803	VCEAPS107AF1A	J	AD	100 μF,10V,Electrolytic	CP01,02	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
C1804	VCKYTV1CF225Z	J	AB	2.2 μF,16V	CP05,06	VCKYMN1HB101K	J	AA	100 pF,50V
C1805,1806	VCKYTV1CF105Z	J	AB	1 μF,16V	CP09,10	VCEAEA1CW106M	J	AB	10 μF,16V,Electrolytic
CA100,101	VCCCCY1HH180J	J	AA	18 pF (CH),50V	CP11,12	VCTYMN1EF223Z	J	AA	0.022 μF,25V
CA102~104	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CP13,14	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CA105,106	RC-EZ0007AWZZ	J	AF	10 μF,10V,Electrolytic	CP15,16	VCKYMN1HB221K	J	AA	220 pF,50V
CA107	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CP17,18	VCEAEA1CW226M	J	AB	22 μF,16V,Electrolytic
CA108,109	RC-EZ0051AWZZ	J	AC	10 μF,10V,Electrolytic	CP23,24	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
CA110	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CP31,32	VCKYMN1HB101K	J	AA	100 pF,50V
CA111	RC-EZD337AF0J	J	AC	330 μF,6.3V,Electrolytic	CP35,36	VCEAEA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CA112~115	VCKYTV1EB105K	J	AD	1 μF,25V	CP37~40	VCCSMN1HL470J	J	AA	47 pF,50V
CA116	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CP41	VCKYMN1HB102K	J	AA	0.001 μF,50V
CA117	VCKYTV1HB224K	J	AC	0.22 μF,50V	CS01,02	VCFYHA1HA274J	J	AC	0.27 μF,50V,Thin Film
CA118,119	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CS03~06	VCTYMN1CX472M	J	AA	0.0047 μF,16V
CA120	VCKYTV1HB224K	J	AC	0.22 μF,50V	CS08,09	VCFYHA1HA334J	J	AC	0.33 μF,50V,Thin Film
CA121	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CS10,11	RC-EZ0004AWZZ	J	AD	100 μF,10V,Electrolytic
CA122~124	RC-KZ0007AWZZ	J	AG	1 μF,25V,Electrolytic	CU01,02	RC-EZ0047AWZZ	J	AC	10 μF,50V,Electrolytic
CA126	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CU05~08	VCEAEA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CA127	VCKYTV1HB224K	J	AC	0.22 μF,50V	CU09,10	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic
CA128,129	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CU11,12	VCEAEA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CA130	VCKYTV1HB224K	J	AC	0.22 μF,50V	CU13,14	VCQYKA1HM102K	J	AA	0.001 μF,50V,Mylar
CA131	VCKYCY1CF224Z	J	AB	0.22 μF,16V	CU15~18	VCEAEA1HW334M	J	AB	0.33 μF,50V,Electrolytic
CA132~135	RC-KZ0007AWZZ	J	AG	1 μF,25V,Electrolytic	CU19,20	VCCSMN1HL470J	J	AA	47 pF,50V
CA142,143	VCFYDA1HA155J	J	AG	1.5 μF,50V,Thin Film	CU30	VCEAEA1CW226M	J	AB	22 μF,16V,Electrolytic
CA150,151	VCFYDA1HA155J	J	AG	1.5 μF,50V,Thin Film	CU31	VCTYMN1EF223Z	J	AA	0.022 μF,25V
CA152	VCCCCY1HH120J	J	AA	12 pF (CH),50V	CU32	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
CA153,154	VCCCCY1HH180J	J	AA	18 pF (CH),50V	CU33	RC-EZ0004AWZZ	J	AD	100 μF,10V,Electrolytic
CA155	VCCCCY1HH120J	J	AA	12 pF (CH),50V	CU43,44	VCEAEA1HW475M	J	AB	4.7 μF,50V,Electrolytic
CA159	VCE9GA1EW107M	J	AE	100 μF,25V,Electrolytic,Non-Polar	CU45	RC-EZ0004AWZZ	J	AD	100 μF,10V,Electrolytic
CA160	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic	CU46	VCTYBT1CX472K	J	AA	0.0047 μF,16V
CA162	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	CU47,48	VCKYBT1HB102K	J	AA	0.001 μF,50V
CA163	VCEAZA1CW227M	J	AC	220 μF,16V,Electrolytic	CU49	VCKYMN1HB471K	J	AA	470 pF,50V
CA164,165	RC-EZD107AF1A	J	AB	100 μF,10V,Electrolytic	CU50	VCKYBT1HB102K	J	AA	0.001 μF,50V
CA177~180	VCKYCY1EB103K	J	AA	0.01 μF,25V	CU51	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
CA181	VCCCCY1HH101J	J	AA	100 pF (CH),50V	CU52	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
CA182	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CU53	VCQYKA1HM103K	J	AA	0.01 μF,50V,Mylar
CA184	RC-EZD476AF1A	J	AC	47 μF,10V,Electrolytic	CU54	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CA185	VCKYCY1HB102K	J	AA	0.001 μF,50V	CU55	VCKYPA1HF473Z	J	AB	0.047 μF,50V
CA186	RC-EZD476AF1A	J	AC	47 μF,10V,Electrolytic	CU56	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CA187~193	VCKYCY1HB102K	J	AA	0.001 μF,50V	CU57	VCTYPA1CX104K	J	AB	0.1 μF,16V
CA194	RC-EZD476AF1C	J	AC	47 μF,16V,Electrolytic	CU58	VCTYPA1CX103K	J	AA	0.01 μF,16V
CA196,197	RC-EZD476AF1E	J	AC	47 μF,25V,Electrolytic	CU59	VCTYBT1CY103M	J	AA	0.01 μF,16V
CA198	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CU60	VCTYBT1HB102K	J	AA	0.001 μF,50V
CA211	VCKYCY1EF104Z	J	AA	0.1 μF,25V	CU61	VCCSPA1HL820J	J	AA	82 pF,50V
CA212	RC-EZD107AF1C	J	AC	100 μF,16V,Electrolytic	CU65,66	VCCSPA1HL331J	J	AA	330 pF,50V
CA213	RC-EZD107AF1E	J	AD	100 μF,25V,Electrolytic	CV07~10	VCQYKA1HM222K	J	AA	0.0022 μF,50V,Mylar
CA214	VCKYCY1HB102K	J	AA	0.001 μF,50V	CV11	VCKYPA1HB102K	J	AA	0.001 μF,50V
CA215~222	VCCCCY1HH560J	J	AA	56 pF (CH),50V	CV70	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
CA223,224	VCFYHA1HA224J	J	AC	0.22 μF,50V,Thin Film	CV71	VCKYBT1EF223Z	J	AA	0.022 μF,25V
CD01~03	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic	CV72	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CD04	VCTYBT1EF223Z	J	AA	0.022 μF,25V	CV73	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
CD05	VCEAEA1EW476M	J	AA	47 μF,25V,Electrolytic	CV74	VCEAZA1EW106M	J	AB	10 μF,25V,Electrolytic
CD06	VCTYMN1EF223Z	J	AA	0.022 μF,25V	CV75,76	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
CD07	VCEAEA1HW105M	J	AB	1 μF,50V,Electrolytic	CV77	VCTYBT1CY103M	J	AA	0.01 μF,16V
CD10	VCTYMN1EF223Z	J	AA	0.022 μF,25V	CV78	VCTYBT1EF223Z	J	AA	0.022 μF,25V
CD11	VCEAEA1CW106M	J	AB	10 μF,16V,Electrolytic	CV79	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CV80	VCTYBT1CX222M	J	AA	0.0022 μ F, 16V	R1212	VRS-CY1JB470J	J	AA	47 ohms, 1/16W
CV81	VCTYBT1EF223Z	J	AA	0.022 μ F, 25V	R1214	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
CV82	VCKYBT1HB102K	J	AA	0.001 μ F, 50V	R1215	VRS-CY1JB105J	J	AA	1 Mohm, 1/16W
CV83	VCEAEA1CW336M	J	AB	33 μ F, 16V, Electrolytic	R1217	VRS-CY1JB151J	J	AA	150 ohms, 1/16W
CV84	VCQYKA1HM102K	J	AA	0.001 μ F, 50V, Mylar	R1221,1222	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
CV88	VCTYBT1EF223Z	J	AA	0.022 μ F, 25V	R1230,1231	VRS-CY1JB103F	J	AA	10 kohm, 1/16W
CV90	VCTYBT1CX222M	J	AA	0.0022 μ F, 16V	R1261~1266	VRS-CY1JB273J	J	AA	27 kohms, 1/16W
CV93	VCTYBT1EF223Z	J	AA	0.022 μ F, 25V	R1300	VRS-TV2AB6R8J	J	AA	6.8 ohms, 1/10W
CV94	RC-EZD476AF1E	J	AC	47 μ F, 25V, Electrolytic	R1301	VRS-CY1JB100J	J	AA	10 ohm, 1/16W
CV95,96	VCTYBT1CX222M	J	AA	0.0022 μ F, 16V	R1304	VRS-TV2AB151J	J	AA	150 ohms, 1/10W
R1707	VCCCCY1HH331J	J	AA	330 pF (CH), 50V	R1401	VRS-CY1JB272J	J	AA	2.7 kohms, 1/16W
R1710	VCCCCY1HH331J	J	AA	330 pF (CH), 50V	R1403	VRS-CY1JB471J	J	AA	470 ohms, 1/16W
RESISTORS					R1405	VRS-CY1JB104J	J	AA	100 kohm, 1/16W
	VRD-MN2BD000C	J	AA	0 ohm, Jumper, ϕ 1.4x3.5mm, Ivory	R1406	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
	VRS-CY1JB000J	J	AA	0 ohm, Jumper, 0.8x1.55mm, Green	R1407,1408	VRS-CY1JB332J	J	AA	3.3 kohms, 1/16W
	VRS-TV2AB000J	J	AA	0 ohm, Jumper, 1.25x2mm, Green	R1414	VRS-CY1JB224J	J	AA	220 kohms, 1/16W
R601	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W	R1415	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R602	VRD-ST2CD101J	J	AA	100 ohm, 1/6W	R1417,1418	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R603	VRD-ST2CD123J	J	AA	12 kohms, 1/6W	R1420	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R604,605	VRD-RT2HD221J	J	AA	220 ohms, 1/2W	R1424	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R608	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1430	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
R609	VRD-ST2CD221J	J	AA	220 ohms, 1/6W	R1435	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
R610	VRD-MN2BD102J	J	AA	1 kohm, 1/8W	R1440	VRS-CY1JB101J	J	AA	100 ohm, 1/16W
R611,612	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1441	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R614	VRD-ST2CD473J	J	AA	47 kohms, 1/6W	R1443	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R615	VRD-ST2CD104J	J	AA	100 kohm, 1/6W	R1444	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
R616	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W	R1460	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
R617	VRD-MN2BD102J	J	AA	1 kohm, 1/8W	R1463	VRS-CY1JB103J	J	AA	10 kohm, 1/16W
R618	VRD-ST2CD474J	J	AA	470 kohms, 1/6W	R1510	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R619,620	VRD-ST2EE331J	J	AA	330 ohms, 1/4W	R1511	VRS-CY1JB562J	J	AA	5.6 kohms, 1/16W
R621	VRD-ST2CD104J	J	AA	100 kohm, 1/6W	R1512	VRS-TV2AB470J	J	AA	47 ohms, 1/10W
R622	VRD-ST2CD473J	J	AA	47 kohms, 1/6W	R1513	VRS-CY1JB562J	J	AA	5.6 kohms, 1/16W
R623	VRD-ST2CD333J	J	AA	33 kohms, 1/6W	R1515,1516	VRS-CY1JB182J	J	AA	1.8 kohms, 1/16W
R625	VRD-ST2CD153J	J	AA	15 kohms, 1/6W	R1517,1518	VRS-CY1JB470J	J	AA	47 ohms, 1/16W
R626	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1520	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R800	VRD-ST2EE391J	J	AA	390 ohms, 1/4W	R1521	VRS-CY1JB121J	J	AA	120 ohms, 1/16W
R805	VRD-RT2HD220J	J	AA	22 ohms, 1/2W	R1523	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R806	VRD-RT2HD151J	J	AA	150 ohms, 1/2W	R1526	VRS-CY1JB682J	J	AA	6.8 kohms, 1/16W
R807,808	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1527	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R809,810	VRD-ST2EE122J	J	AA	1.2 kohms, 1/4W	R1529	VRS-CY1JB221J	J	AA	220 ohms, 1/16W
R811	VRD-ST2CD104J	J	AA	100 kohm, 1/6W	R1532	VRS-CY1JB273J	J	AA	27 kohms, 1/16W
R812	VRD-ST2CD472J	J	AA	4.7 kohms, 1/6W	R1533~1536	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R813	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1537,1538	VRS-CY1JB221J	J	AA	220 ohms, 1/16W
R821	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1539	VRS-CY1JB121J	J	AA	120 ohms, 1/16W
R822	VRD-ST2EE121J	J	AA	120 ohms, 1/4W	R1561	VRS-CY1JB473J	J	AA	47 kohms, 1/16W
R823	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1601	VRS-CY1JB123F	J	AA	12 kohms, 1/16W
R824	VRD-ST2CD473J	J	AA	47 kohms, 1/6W	R1605	VRS-CY1JB123F	J	AA	12 kohms, 1/16W
R825,826	VRD-ST2EE271J	J	AA	270 ohms, 1/4W	R1612	VRS-CY1JB563J	J	AA	56 kohms, 1/16W
R827,828	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1614	VRS-CY1JB333J	J	AA	33 kohms, 1/16W
R830,831	VRS-VV3AA331J	J	AB	330 ohms, 1W	R1616	VRS-CY1JB123J	J	AA	12 kohms, 1/16W
R832	VRD-ST2CD182J	J	AA	1.8 kohms, 1/6W	R1618	VRS-CY1JB223J	J	AA	22 kohms, 1/16W
R836	VRD-ST2CD103J	J	AA	10 kohm, 1/6W	R1621	VRS-CY1JB682J	J	AA	6.8 kohms, 1/16W
R838	VRD-VV3DA100J	J	J	10 ohm, 2W	R1622,1623	VRS-CY1JB223J	J	AA	22 kohms, 1/16W
R901	VRD-ST2CD472J	J	AA	4.7 kohms, 1/6W	R1624	VRS-CY1JB682J	J	AA	6.8 kohms, 1/16W
R902	VRD-ST2CD473J	J	AA	47 kohms, 1/6W	R1701	VRS-CY1JB154J	J	AA	150 kohms, 1/16W
R903,904	VRD-ST2CD102J	J	AA	1 kohm, 1/6W	R1702	VRS-CY1JB124J	J	AA	120 kohms, 1/16W
R905	VRD-RT2HD272J	J	AA	2.7 kohms, 1/2W	R1703	VRS-CY1JB102F	J	AA	1 kohm, 1/16W
R1100	VRS-TQ2BB270J	J	AA	27 ohms, 1/8W	R1704	VRS-CY1JB332F	J	AA	3.3 kohms, 1/16W
R1101	VRS-CY1JB1R0J	J	AA	1 ohm, 1/16W	R1705	VRS-CY1JB821J	J	AA	820 ohms, 1/16W
R1102	VRS-CY1JB103J	J	AA	10 kohm, 1/16W	R1708	VRS-CY1JB102J	J	AA	1 kohm, 1/16W
R1105	VRS-CY1JB122J	J	AA	1.2 kohms, 1/16W	R1711	VRS-TV2AB120J	J	AA	12 ohms, 1/10W
R1110	VRS-CY1JB684F	J	AA	680 kohms, 1/16W	R1712	VRS-CY1JB273J	J	AA	27 kohms, 1/16W
R1111,1112	VRS-CY1JB104F	J	AA	100 kohm, 1/16W	R1714	VRS-TV2AB120J	J	AA	12 ohms, 1/10W
R1113	VRS-CY1JB684F	J	AA	680 kohms, 1/16W	R1716	VRS-CY1JB104J	J	AA	100 kohm, 1/16W
R1114	VRS-CY1JB123J	J	AA	12 kohms, 1/16W	R1801	VRS-CY1JB271J	J	AA	270 ohms, 1/16W
R1115	VRS-CY1JB334F	J	AA	330 kohms, 1/16W	R1802	VRS-CY1JB563J	J	AA	56 kohms, 1/16W
R1116,1117	VRS-CY1JB473F	J	AA	47 kohms, 1/16W	R1803	VRS-CY1JB333J	J	AA	33 kohms, 1/16W
R1118	VRS-CY1JB334F	J	AA	330 kohms, 1/16W	R1804	VRS-CY1JB391J	J	AA	390 ohms, 1/16W
R1119	VRS-CY1JB224J	J	AA	220 kohms, 1/16W	R1805	VRS-CY1JB271J	J	AA	270 ohms, 1/16W
R1120	VRS-CY1JB564J	J	AA	560 kohms, 1/16W	R1806	VRS-TQ2BB1R0J	J	AA	1 ohm, 1/8W
R1121	VRS-CY1JB104J	J	AA	100 kohm, 1/16W	R1807	VRS-CY1JB273J	J	AA	27 kohms, 1/16W
R1122,1123	VRS-CY1JB123J	J	AA	12 kohms, 1/16W	R1808	VRS-CY1JB182J	J	AA	1.8 kohms, 1/16W
R1124,1125	VRS-CY1JB222J	J	AA	2.2 kohms, 1/16W	R1809	VRS-TQ2BB1R0J	J	AA	1 ohm, 1/8W
R1201	VRS-CY1JB563F	J	AA	56 kohms, 1/16W	R1811	VRS-TQ2BB1R0J	J	AA	1 ohm, 1/8W
R1203	VRS-CY1JB104F	J	AA	100 kohm, 1/16W	R1930	VRS-TV2AB391J	J	AA	390 ohms, 1/10W
R1205	VRS-CY1JB683J	J	AA	68 kohms, 1/16W	R1931	VRS-TV2AB561J	J	AA	560 ohms, 1/10W
R1207	VRS-CY1JB393J	J	AA	39 kohms, 1/16W	R1932	VRS-TV2AB121J	J	AA	120 ohms, 1/10W
R1208	VRS-CY1JB221J	J	AA	220 ohms, 1/16W	R1933	VRS-TV2AB271J	J	AA	270 ohms, 1/10W
R1209	VRS-CY1JB101J	J	AA	100 ohm, 1/16W	RA100,101	VRS-CY1JB332J	J	AA	3.3 kohms, 1/16W
R1210,1211	VRS-CY1JB221J	J	AA	220 ohms, 1/16W	RA102,103	VRS-CY1JB203J	J	AA	20 kohms, 1/16W
					RA104,105	VRS-CY1JB753D	J	AA	75 kohms, 1/16W
					RA108,109	VRS-CY1JB753D	J	AA	75 kohms, 1/16W

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RA112~115	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
RA116	VRS-CY1JB103J	J	AA	10 kohm,1/16W
RA117~120	VRS-CY1JB224J	J	AA	220 kohms,1/16W
RA125,126	VRS-CY1JB222D	J	AA	2.2 kohms,1/16W
RA127~130	VRS-CY1JB561D	J	AB	560 ohms,1/16W
RA131,132	VRS-CY1JB222D	J	AA	2.2 kohms,1/16W
RA153	VRS-CY1JB102J	J	AA	1 kohm,1/16W
RA154	VRS-CY1JB152J	J	AA	1.5 kohms,1/16W
RA165~172	VRS-CY1JB101J	J	AA	100 ohm,1/16W
RA173,174	VRS-CY1JB822J	J	AA	8.2 kohms,1/16W
RA175,176	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W
RA177,178	VRS-CY1JB271J	J	AA	270 ohms,1/16W
RA179,180	VRS-CY1JB391J	J	AA	390 ohms,1/16W
RA181~184	VRS-CY1JB124D	J	AA	120 kohms,1/16W
RA202	VRS-CY1JB102J	J	AA	1 kohm,1/16W
RA280,281	VRS-CY1JB821D	J	AA	820 ohms,1/16W
RA282~285	VRS-CY1JB121D	J	AB	120 ohms,1/16W
RA286,287	VRS-CY1JB821D	J	AA	820 ohms,1/16W
RA301~304	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA305~308	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA311~314	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA315~318	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA321~324	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA325~328	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA331~334	VRS-TV2AB100J	J	AA	10 ohm,1/10W
RA335~338	VRS-CY1JB100J	J	AA	10 ohm,1/16W
RA339	VRS-CY1JB473J	J	AA	47 kohms,1/16W
RA340,341	VRS-VV3LA470J	J	AC	47 ohms,1W
RA342	VRS-CY1JB103J	J	AA	10 kohm,1/16W
RD01	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD02,03	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD04,05	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD06	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD07,08	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD09	VRD-ST2CD331J	J	AA	330 ohms,1/6W
RD10~12	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD13	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD14~16	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD17	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD18,19	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD20,21	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD22~29	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD31~37	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD39	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD41,42	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD43,44	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD45,46	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RD47	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RD49	VRD-ST2CD561J	J	AA	560 ohms,1/6W
RD50	VRD-MN2BD224J	J	AA	220 kohms,1/8W
RD52,53	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD54	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD56	VRD-ST2CD180J	J	AA	18 ohms,1/6W
RD57	VRD-ST2CD220J	J	AA	22 ohms,1/6W
RD58	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD60	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD61	VRD-ST2CD683J	J	AA	68 kohms,1/6W
RD62~64	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD66,67	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD69,70	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RD71	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RD72	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD74	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RD76	VRD-ST2CD561J	J	AA	560 ohms,1/6W
RD78	VRD-ST2CD223J	J	AA	22 kohms,1/6W
RD81,82	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD83,84	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RD85	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD86	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD87	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD88	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD89	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD90	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RD91	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RD92	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD93	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RD94	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RD95	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RD96	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD97	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD98	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
RD99	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W

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RE01	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RE02~17	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RE18	VRD-ST2EE561J	J	AA	560 ohms,1/4W
RE19,20	VRD-ST2EE391J	J	AA	390 ohms,1/4W
RE21	VRD-ST2EE561J	J	AA	560 ohms,1/4W
RE22,23	VRD-ST2EE391J	J	AA	390 ohms,1/4W
RE24~27	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RE32	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RE34	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RE35	VRD-MN2BD681J	J	AA	680 ohms,1/8W
RE36,37	VRD-ST2CD151J	J	AA	150 ohms,1/6W
RE38	VRD-ST2CD224J	J	AA	220 kohms,1/6W
RE40	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RE41	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RE42,43	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RE44	VRD-MN2BD473J	J	AA	47 kohms,1/8W
RE46,47	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
RE48	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RE50	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RE51	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RE52	VRD-ST2CD471J	J	AA	470 ohms,1/6W
RE53	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RE54	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
RE55	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RE56~59	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RE60,61	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RE62	VRD-ST2CD473J	J	AA	47 kohms,1/6W
RP01,02	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RP03,04	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP05,06	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP07,08	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP11,12	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RP13,14	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
RP15,16	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP17,18	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
RP19,20	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
RP21,22	VRD-ST2EE180J	J	AA	18 ohms,1/4W
RP23	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RP24	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP25,26	VRD-ST2EE220J	J	AA	22 ohms,1/4W
RP27,28	VRD-ST2EE181J	J	AA	180 ohms,1/4W
RP30	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RP31,32	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RP33,34	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP37,38	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RP51	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RP52	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP53,54	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RP55,56	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RP61,62	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RP63,64	VRD-ST2EE821J	J	AA	820 ohms,1/4W
RS01,02	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RS03,04	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RS05,06	VRD-ST2CD103J	J	AA	10 kohm,1/6W
RS07,08	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RS09,10	VRD-MN2BD104J	J	AA	100 kohm,1/8W
RS11,12	VRD-ST2CD821J	J	AA	820 ohms,1/6W
RS13,14	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
RS17	VRD-ST2CD104J	J	AA	100 kohm,1/6W
RS18,19	VRD-ST2EE221J	J	AA	220 ohms,1/4W
RU01,02	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU05~08	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU09,10	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
RU11,12	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU17	VRD-ST2CD273J	J	AA	27 kohms,1/6W
RU18	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RU20	VRD-MN2BD103J	J	AA	10 kohm,1/8W
RU21,22	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RU23,24	VRD-MN2BD102J	J	AA	1 kohm,1/8W
RU30~32	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU33,34	VRD-RT2HD560J	J	AA	56 ohms,1/2W
RU59	VRD-ST2CD102J	J	AA	1 kohm,1/6W
RU68	VRD-ST2CD391J	J	AA	390 ohms,1/6W
RU69	VRD-ST2CD101J	J	AA	100 ohm,1/6W
RU70	VRD-ST2CD221J	J	AA	220 ohms,1/6W
RU71	VRD-ST2CD750J	J	AA	75 ohms,1/6W
RU72	VRD-MN2BD563J	J	AA	56 kohms,1/8W
RU73	VRD-ST2CD243J	J	AA	24 kohms,1/6W
RU74	VRD-ST2CD512J	J	AA	5.1 kohms,1/6W
RU75	VRD-MN2BD123J	J	AA	12 kohms,1/8W
RU76	VRD-ST2CD151J	J	AA	150 ohms,1/6W
RU77~79	VRD-ST2CD101J	J	AA	100 ohm,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RU81	VRD-ST2CD101J	J	AA	100 ohm,1/6W	CNP803	92LCONE2P53253	J	AB	Plug,2Pin
RU82	VRD-MN2BD101J	J	AA	100 ohm,1/8W	CNP804	QCNCM010HAWZZ	J	AC	Plug,8Pin
RU83	VRD-ST2EE391J	J	AA	390 ohms,1/4W	CNP805	QCNCM010GAWZZ	J	AC	Plug,7Pin
RU84	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W	CNP806	92LCONE4P53253	J	AB	Plug,4Pin
RU85	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	CNPD01	92LCONE5P53253	J	AB	Plug,5Pin
RU87	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNPD02	92LCONE4P53254	J	AC	Plug,4Pin
RU88	VRD-ST2CD104J	J	AA	100 kohm,1/6W	CNPU04	QCNCWYW28AWZZJ	AK		Socket,28Pin
RU89	VRD-MN2BD181J	J	AA	180 ohms,1/8W	CNPU05	QCNCWZP15AWZZ	J	AC	Socket,15Pin
RU91,92	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W	CNPU06	QCNCWYW26AWZZJ	AE		Socket,26Pin
RU93,94	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	CNPU07	QCNCM705DAFZZ	J	AB	Plug,4Pin
RU95,96	VRD-ST2CD273J	J	AA	27 kohms,1/6W	CNPU08	92LCONE2P53253	J	AB	Plug,2Pin
RU97,98	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNPU09	92LCONE3P53253	J	AB	Plug,3Pin
RV37~39	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	CNPU10	92LCONE7P53254	J	AB	Plug,7Pin
RV40~42	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNPU11	92LCONE3P53253	J	AB	Plug,3Pin
RV46	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNPU12	QCNCM705CAFZZ	J	AA	Plug,3Pin
RV47	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	CNPU13	QCNCM705BAFZZ	J	AA	Plug,2Pin
RV48	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNPV97	QCNCM704CAFZZ	J	AB	Plug,3Pin
RV49	VRD-ST2CD221J	J	AA	220 ohms,1/2W	CNPV98	92LCONE3P53254	J	AB	Test Point,3Pin
RV50	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNPV99	92LCONE4P5268	J	AC	Plug,4Pin
RV51	VRD-ST2CD104J	J	AA	100 kohm,1/6W	CNS604,605	QCNCWN1939AWZZ	J	AD	Socket,2Pin
RV53	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	CNSU01	QCNCW010HAWZZ	J	AD	Socket,8Pin
RV54	VRD-ST2CD124J	J	AA	120 kohms,1/6W	CNSU02	QCNCW010UAWZZ	J	AD	Plug,19Pin
RV55	VRD-ST2CD104J	J	AA	100 kohm,1/6W	CNSU03	QCNCW010NAWZZ	J	AC	Socket,13Pin
RV56	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CNSU08	QCNCWN1783AWZZ	J	AE	Connector Ass'y,2Pin
RV57	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNSU13	QCNCWN1781AWZZ	J	AC	Connector Ass'y,2Pin
RV58	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CNSV94	QCNCW010HAWZZ	J	AD	Socket,8Pin
RV59,60	VRD-ST2CD223J	J	AA	22 kohms,1/6W	CNSV95	QCNCW010GAWZZ	J	AC	Socket,7Pin
RV61~64	VRD-ST2CD153J	J	AA	15 kohms,1/6W	CNSV97	—	—		Connector, Ass'y, 3Pin (Supplies at Ref No.M905)
RV65,66	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W	CORA01~03	RCORF0018AWZZ	J	AG	Core
RV67	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CORE1	RCORF0015AWZZ	J	AB	Core
RV68,69	VRD-ST2CD104J	J	AA	100 kohm,1/6W	CW1501	QCNCWN1549AWZZ	J	AQ	Flat Cable,28Pin
RV70	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W	CW1502/CNSU07	QCNCWN1515AWZZ	J	AK	Connector Ass'y,4/4Pin
RV71	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W	CW1931	QCNCWN1512AWZZ	J	AC	Flat Cable,5Pin
RV72	VRD-ST2CD103J	J	AA	10 kohm,1/6W	CW1932	QCNCWN1513AWZZ	J	AC	Flat Cable,6Pin
RV73	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film	△ F801,802	QFS-D632CAWNI	J	AC	Fuse,T6.3A L 250V
RV75	VRD-ST2CD224J	J	AA	220 kohms,1/6W	△ F803	QFS-D252CAWNI	J	AC	Fuse,T2.5A L 250V
RV76	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film	△ F804	QFS-D122CAWNI	J	AC	Fuse,T1.25A L 250V
RV78,79	VRN-RT2CC103F	J	AA	10 kohms,1/6W,Metal Film	△ F900	QFS-D252CAWNI	J	AC	Fuse,T2A L 250V
RV80,81	VRN-RT2CC562F	J	AA	5.6 kohms,1/6W,Metal Film	FLD01	VVKHNA13LS3-1	J	BB	FL Display
RV82,83	VRN-RT2CC153F	J	AA	15 kohms,1/6W,Metal Film	FWC01	QCNCWN1777AWZZ	J	AG	Flat Cable,26Pin
RV84,85	VRS-VV3AAR20J	J	AB	0.2 ohms,1W	FWT01	QCNCWN1776AWZZ	J	AD	Flat Cable,15Pin
RV86	VRD-ST2CD103J	J	AA	10 kohm,1/6W	JHP01	92LJACKH1759A	J	AF	Jack,Headphones
RV87	VRD-ST2CD104J	J	AA	100 kohm,1/6W	JT900	QSOCJ0223AWZZ	J	AD	Terminal,SYSTEM IN
RV88,89	VRN-RT2CC184F	J	AA	180 kohms,1/6W,Metal Film	JTP01	QSOCJ0605AWZZ	J	AF	Terminal,SYSTEM OUT/LINE OUT/AUX IN
RV90,91	VRN-RT2CC103F	J	AA	10 kohms,1/6W,Metal Film	K01	QLUGP0002AWZZ	J	AB	Lug Terminal
RV92,93	VRN-RT2CC562F	J	AA	5.6 kohms,1/6W,Metal Film	M901	RMOTV0038AWZZ	J	AT	MD Spindle Motor Ass'y
RV94,95	VRN-RT2CC153F	J	AA	15 kohms,1/6W,Metal Film	M902	92LMTR3167BASY	J	AP	MD Sled Motor Ass'y
RV96,97	VRS-VV3AAR20J	J	AB	0.2 ohms,1W	M903	92LMTR3167AASY	J	AN	MD Loading Motor Ass'y
					M904	RMOTV0039AWZZ	J	AM	MD/CD Lid Motor
					M905	RMOTV0036AWZZ	J	AX	Motor,Air Cooling Fan (With CNSV97)
					M906(267-1)	9HGSMA-146-100	J	AZ	Motor with Gear [Sled]
					M907(267-2)	9HGSMA-147-100	J	BA	Motor with Gear [Loading]
					M908(267-3)	9HGSMA-151-100	J	BE	Motor with Turntable/Flexible PWB [Spindle]
					PHCU01	VHPRPI352++-1	J	AF	Photo Interrupter
					RL800	RRLYD0011AWZZ	J	AE	Relay
					△ RL900	RRLYD0004SJZZ	J	AG	Relay
					RLV99	RRLYD0014AWZZ	J	AK	Relay
					RMD01	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
					SO605	QCNCM052MAWZZ	J	AQ	Terminal,SYSTEM CONTROL
					△ SO900	QSOCA0212AWZZ	J	AD	Socket,AC Input
					SOV90	QCNCM052MAWZZ	J	AQ	Terminal,SYSTEM CONTROL
					SOV99	QTANA0414AWZZ	J	AD	Terminal,Speaker
					SW601	QSW-S0024AWZZ	J	AE	Switch,Slide Type [Span Selector]
					△ SW900	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector]
					SW1930	QSW-P0011AWZZ	J	AD	Switch,Push Type [Write Pro]
					SW1931	QSW-P0012AWZZ	J	AD	Switch,Push Type [Disc Media]
					SW1932	QSW-M0007AWZZ	J	AD	Switch,Push Type [Loading]
					SW1933	QSW-M0007AWZZ	J	AD	Switch,Push Type [Record]
					SW1934	QSW-M0007AWZZ	J	AD	Switch,Push Type [Play]
					SW1936	QSW-M0157AFZZ	J	AD	Switch,Push Type [Lead In]
					SWD02	92LSWICHT1663T	J	AC	Switch,Key Type [On/Stand-by]
					SWD03	92LSWICHT1663T	J	AC	Switch,Key Type [Tuner (Band)]
					SWD04	92LSWICHT1663T	J	AC	Switch,Key Type [Aux (Demo)]
					SWD05	92LSWICHT1663T	J	AC	Switch,Key Type [CD Fast Forward/Tuning Up]
					SWD06	92LSWICHT1663T	J	AC	Switch,Key Type [CD Fast Reverse/Tuning Down]

OTHER CIRCUITRY PARTS

BI650/CNS650	QCNCWN1945AWZZ	J		Connector Ass'y,3/3Pin
BI800/CNS803	QCNCWN1801AWZZ	J	AD	Connector Ass'y,2/2Pin
BI801/CNS800	QCNCWN1800AWZZ	J	AF	Connector Ass'y,7/7Pin
BI802/CNS806	QCNCWN1787AWZZ	J	AE	Connector Ass'y,4/4Pin
BIA106/CNSA106	QCNCWN1792AWZZ	J	AF	Connector Ass'y,3/3Pin
BIA110/CNSA110	QCNCWN1793AWZZ	J	AF	Connector Ass'y,4/4Pin
BIA111/CNSA111	QCNCWN1794AWZZ	J	AE	Connector Ass'y,3/3Pin
BIA112/CNSA112	QCNCWN1795AWZZ	J	AF	Connector Ass'y,5/5Pin
BID01/CNSD01	QCNCWN1785AWZZ	J	AF	Connector Ass'y,4/4Pin
BID02	QCNCWN1786AWZZ	J	AC	Flat Wire,3Pin
BID03/CNSD03	QCNCWN1778AWZZ	J	AF	Connector Ass'y,5/5Pin
BID04/CNSD04	QCNCWN1802AWZZ	J	AG	Connector Ass'y,7/7Pin
BID06	QCNCWN1784AWZZ	J	AF	Flat Wire,5Pin
BIU11/CNSU11	QCNCWN1780AWZZ	J	AE	Connector Ass'y,3/3Pin
BIU12/CNSU12	QCNCWN1782AWZZ	J	AE	Connector Ass'y,3/3Pin
CN1101	QCNCWYK28AFZZ	J	AH	Socket,28Pin
CN1300	QCNCM970BAFZZ	J	AD	Plug,2Pin
CN1401	QCNCWXC05AFZZ	J	AC	Plug,5Pin
CN1402	QCNCWXC06AFZZ	J	AD	Plug,6Pin
CN1501	QCNCWYR28AWZZ	J	AF	Socket,28Pin
CN1502	QCNCM970DAFZZ	J	AE	Plug,4Pin
CN1931	QCNCWXC05AFZZ	J	AC	Plug,5Pin
CN1932	QCNCWXC06AFZZ	J	AD	Plug,6Pin
CNP601	QCNCM010HAWZZ	J	AC	Plug,8Pin
CNP602	QCNCM010UAWZZ	J	AD	Plug,19Pin
CNP603	QCNCM010NAWZZ	J	AC	Plug,13Pin
CNP604	92LCONE2P53254	J	AB	Plug,2Pin
CNP605	92LCONE2P53253	J	AB	Plug,2Pin
CNP800	92LCONE7P5267X	J	AC	Plug,7Pin
CNP801	92LCONE3P5267X	J	AB	Plug,3Pin
CNP802	92LCONE5P53254	J	AB	Plug,5Pin

SD-NX10W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SWD07	92LSWICHT1663T	J	AC	Switch,Key Type [CD Play/Pause]
SWD08	92LSWICHT1663T	J	AC	Switch,Key Type [CD Stop]
SWD09	92LSWICHT1663T	J	AC	Switch,Key Type [CD Eject]
SWD10	92LSWICHT1663T	J	AC	Switch,Key Type [MD +10 Track Up]
SWD11	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Down]
SWD12	92LSWICHT1663T	J	AC	Switch,Key Type [Volume Up]
SWD13	92LSWICHT1663T	J	AC	Switch,Key Type [CD/MD Cover Open/Close]
SWD14	92LSWICHT1663T	J	AC	Switch,Key Type [MD Rec]
SWD15	92LSWICHT1663T	J	AC	Switch,Key Type [MD Stop]
SWD16	92LSWICHT1663T	J	AC	Switch,Key Type [MD Play/Pause]
SWD17	92LSWICHT1663T	J	AC	Switch,Key Type [MD Down]
SWD18	92LSWICHT1663T	J	AC	Switch,Key Type [MD Up]
SWD19	92LSWICHT1663T	J	AC	Switch,Key Type [MD Eject]
SWD20	92LSWICHT1663T	J	AC	Switch,Key Type [Play Mode]
SWD21	92LSWICHT1663T	J	AC	Switch,Key Type [Erase]
SWD23	QSW-B0004AWZZ	J	AF	Switch,Lever Type [Open/Close]
SWD24	92LSWICHT1663T	J	AC	Switch,Key Type [Rec Mode]
TUN1	RTUNS0022AWZZ	J	BH	Tuner Unit

MD MECHANISM PARTS

2	LCHSM0089AWZZ	J	AH	Drive Chassis (A)
3	LCHSM0090AWZZ	J	AH	Drive Chassis (B)
4	LHLDX3009AWM1	J	AG	Cartridge Holder Ass'y
5	MLEVF0051AWM1	J	AK	Slider Lever Ass'y
7	MLEVF0046AWFW	J	AE	Arm,Holder
8	MLEVF0047AWFW	J	AC	Plate,Switch
9	MLEVF0054AWFW	J	AC	Lever,Shift
10	MLEVP0095AWZZ	J	AC	Lever,Cam Plate
12	MSPRD0132AWFJ	J	AB	Spring>Loading
14	MSPRP0030AWFJ	J	AB	Spring,Grip
15	MSPRP0031AWFJ	J	AC	Spring,Shaft
16	MSPRT0031AWFJ	J	AC	Spring>Loading Arm
17	MSPRT0032AWFJ	J	AB	Spring,Shift Arm
18	NGERH0085AWZZ	J	AC	Gear>Loading (A)
19	NGERH0086AWZZ	J	AB	Gear,Middle (A)
20	NGERH0087AWZZ	J	AB	Gear,Middle (B)
21	NGERH0088AWZZ	J	AC	Gear,Middle (C)
22	NGERH0089AWZZ	J	AC	Gear,Middle (D)
24	NGERR0004AWZZ	J	AC	Gear,Grip
27	NSFTD0006AWM1	J	AG	Drive Shaft Ass'y
28	NSFTM0019AWFW	J	AC	Shaft,Pickup Slide
30	PCOV3029AWFW	J	AG	Cover,Shield,Top
31	PCOV3033AWFW	J	AF	Cover,Shield,Side
32	PCOV3031AWFW	J	AG	Cover,Shield,Bottom
33	PCUSG0045AWZZ	J	AC	Cushion,Shield Cover
34	RCILH0113AFZZ	J	AS	Magnetic Head
△ 35	RCTRH8198AFZZ	J	BM	MD Pickup Unit Ass'y
36	MSPRT0034AWFJ	J	AB	Spring,Ground
501	LX-BZ0040AWZZ	J	AB	Screw,ø1.4×1.5mm
502	LX-BZ0046AWZZ	J	AB	Screw,ø2×2mm
503	LX-BZ0800AFZZ	J	AA	Screw,ø1.4×2.5mm
504	LX-BZ0883AFZZ	J	AB	Screw,ø1.7×5mm
505	LX-JZ0020AWZZ	J	AB	Screw,ø1.4×3mm
506	LX-JZ0022AWZZ	J	AB	Screw,ø1.7×6mm
507	LX-JZ0024AWZZ	J	AB	Screw,ø1.4×4.5mm
509	XBPSD20P03K00	J	AB	Screw,ø2×3mm
510	XSPSN17P03K00	J	AB	Screw,ø1.7×3mm
511	XWSSD14-05000	J	AA	Washer,ø1.4×0.5mm
512	LX-BZ0846AFZZ	J	AB	Screw,ø1.7×3mm
513	LX-JZ0025AWZZ	J	AB	Screw,ø1.4×5mm
M901	RMOTV0038AWZZ	J	AT	MD Spindle Motor Ass'y
M902	92LMTR3167BASY	J	AP	MD Sled Motor Ass'y
M903	92LMTR3167AASY	J	AN	MD Loading Motor Ass'y
SW1930	QSW-P0011AWZZ	J	AD	Switch,Push Type [Write Pro]
SW1931	QSW-P0012AWZZ	J	AD	Switch,Push Type [Disc Media]
SW1932	QSW-M0007AWZZ	J	AD	Switch,Push Type [Loading]
SW1933	QSW-M0007AWZZ	J	AD	Switch,Push Type [Record]
SW1934	QSW-M0007AWZZ	J	AD	Switch,Push Type [Play]
SW1936	QSW-M0157AFZZ	J	AD	Switch,Push Type [Lead In]

CABINET PARTS

201	92LCAB3514AASY	J	AY	Front Cabinet Ass'y
201- 1	—	—	—	Front Cabinet (Not Replacement Item)
201- 2	GDAI-1001AWSA	J	AP	Leg Cabinet

202	92LCAB3514CASY	J	AW	Top Cabinet Ass'y
202- 1	—	—	—	Top Cabinet (Not Replacement Item)
202- 2	JKNBZ0774AWSA	J	AF	Button,CD
202- 3	JKNBZ0775AWSA	J	AH	Button,MD
203	92LCAB3665DASY	J	—	MD/CD Lid Cabinet Ass'y
203- 1	—	—	—	MD/CD Lid Cabinet (Not Replacement Item)
203- 2	GDORT0024AWSA	J	AH	Door,MD
203- 3	MSPRT0052AWZZ	J	AB	Spring,MD Door
204	92LPNL3514AASY	J	AR	Display Window Ass'y
205	DUNTZ3514AW01	J	AX	MD/CD Lid Gear Ass'y
205- 1	LANGK0241AWFW	J	AD	Panel,Gear Box Cover
205- 2	LANGK0242AWFW	J	AF	Bracket,Motor
205- 3	LHLDZ1321AWZZ	J	AG	Gear Box,A
205- 4	NGERH0136AWZZ	J	AG	Drive Gear,A
205- 5	NGERH0137AWZZ	J	AD	Drive Gear,B
205- 6	NGERH0138AWZZ	J	AH	Drive Gear,C
205- 7	NGERW0017AWZZ	J	AD	Gear,Worm
205- 8	PSPAZ0026AWZZ	J	AC	Spacer,Worm
206	GCABB1230AWSA	J	—	Rear Cabinet (Amp)
207	GCOVA3015AWSA	J	BQ	Decoration Panel,Front
208	GCOVA3016AWSA	J	BQ	Decoration Panel,Front Aluminium
209	GDAI-1002AWSA	J	AM	Leg Cabinet (Amp)
210	GITAR0706AWSA	J	—	Rear Panel
211	GITAR0653AWSA	J	AM	Rear Panel (Amp)
212	HBDGB3107AFSA	J	AL	Badge,SHARP
213	HDECE0003AWSA	J	—	Decoration Plate,Lid
214	HDECQ0736AWSA	J	AD	Digital Indicator
215	HDECQ0659AWSA	J	AN	Lighting Plate
216	HDECQ0661AWSA	J	AK	Lid
217	HPNLC1278AWSA	J	AS	Front Cabinet (Amp)
218	LANGF0052AWFW	J	AF	Bracket,Rear Support
219	LANGT0042AWFW	J	AC	Bracket,Power PWB
220	LANGT0115AWSA	J	—	Bracket,Bottom
221	LANGT0093AWFW	J	AD	Bracket,MD (Left)
222	LANGT0094AWFW	J	AD	Bracket,MD (Right)
223	LANGT0095AWFW	J	AD	Bracket,CD (Left)
224	LANGT0096AWFW	J	AE	Bracket,CD (Right)
225	LANGT0101AWFW	J	AE	Bracket,Fan (Amp)
226	LANGT0102AWFW	J	AE	Bracket,1-Bit Amp
227	LCHSM0123AWFW	J	—	Main Chassis (Amp)
228	LHLDZ1297AWSA	J	AE	FL Holder
229	LHLDZ1301AWSA	J	AC	Holder,Lighting (A)
230	LHLDZ1302AWSA	J	AC	Holder,Lighting (B)
231	LHLDZ1304AW00	J	AM	MD/CD Block Frame
232	LHLDZ1305AWZZ	J	AD	Holder,LED (B)
233	LHLDZ1306AWZZ	J	AD	Holder,LED (C)
234	LHLDZ1317AWZZ	J	AC	Holder,LED
235	LHLDZ1325AWZZ	J	AC	Holder,Edge
236	LHLDZ1329AWZZ	J	AE	Holder,PWB
237	NGERH0131AW00	J	AE	Gear,Lid
238	PCUSG0022AWZZ	J	AB	Cushion,Leg
239	PRDAR0197AWFW	J	—	Heat Sink
240	PRDAR0180AWFW	J	AP	Heat Sink,Main (Amp)
241	PRDAR0185AWFW	J	AK	Heat Sink,A (Amp)
242	PRDAR0186AWFW	J	AH	Heat Sink,B (Amp)
243	PSHEP0047AWZZ	J	AD	Sheet,Display Window
244	PSHEP0048AWZZ	J	AF	Sheet,CD Lid
245	PSHEP0049AWZZ	J	AH	Sheet,LED Decoration Panel
246	PSHEP0052AWZZ	J	AD	Sheet,Insulator A
247	PSHEP0053AWZZ	J	AD	Sheet,Insulator B
248	PSHEP0058AWSA	J	AC	Sheet,Screw Cover
249	PSHEP0059AWSA	J	AD	Sheet,Lid Decoration
250	PSLDM3079AWFE	J	AQ	Shield Case,A
251	PSLDM3080AWFW	J	AK	Shield Case,B
252	PSLDM3081AWZZ	J	AH	Shield,Amp A
△ 254	QFSDH0001AWZZ	J	AB	Holder,Fuse
255	92LNBAND1318A	J	AA	Nylon Band,80mm
256	92LRDAT1468B	J	AE	Heat Sink,Sub
257	TSPC-0861AWZZ	J	—	Label,Specifications (Main) [For Australia/Kuwait]
257	TSPC-0862AWZZ	J	—	Label,Specifications (Main) [Except for Australia/Kuwait/ Thailand/Taiwan]
257	TSPC-0868AWZZ	J	—	Label,Specifications (Main) [For Thailand]
257	TSPC-0927AWZZ	J	—	Label,Specifications (Main) [For Taiwan]
258	TSPC-0863AWZZ	J	—	Label,Specifications (Amp) [For Australia]

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
258	TSPC-0864AWZZ	J	Label,Specifications (Amp) [Except for Australia/Thailand/ Hong Kong/Taiwan]
258	TSPC-0869AWZZ	J	Label,Specifications (Amp) [For Thailand]
258	TSPC-0870AWZZ	J	Label,Specifications (Amp) [For Hong Kong]
258	TSPC-0928AWZZ	J	Label,Specifications (Amp) [For Taiwan]
259	————	—	Lug Wire (Supplies at Ref No.CNS604,605)
260	PSPAI0020AWZZ	J	AC Spacer,Headphones Jack
261	PCUSG0077AWZZ	J	AH Cushion,Heat (Amp)
262	RCORF0018AWZZ	J	AG Core
263	QCNWN1803AWZZ	J	AD Lug Wire
264	PCUSG0001AWSA	J	AD Cushion,B
265	PCUSU0005AWZZ	J	AC Cushion,Fan
266	PFLT-0047AWZZ	J	AB Felt
267	KRPLE0110AFZZ	J	CG CD Mechanism Ass'y
267- 1(M906)	9HGSMA-146-100	J	AZ Motor with Gear [Sled]
267- 2(M907)	9HGSMA-147-100	J	BA Motor with Gear [Loading]
267- 3(M908)	9HGSMA-151-100	J	BE Motor with Turntable/Flexible PWB [Spindle]
267- 4	9HGHBS-432-100	J	AP Lead Screw with Gear
267- 5	9HG969-0008-00	J	BQ Pickup Unit
267- 6(PWB-F)	9HGHBS-501-100	J	BK CD Servo PWB Ass'y
268	PCUSG0062AWZZ	J	AC Cover,Lid Cushion
269	QHWS-0003AWZZ	J	AC Lug
270	PSPAZ0039AWZZ	J	AC Spacer
271	PFLT-0048AWZZ	J	AB Felt
272	QCNWN1965AWZZ	J	Lug Wire
273	QCNWN1966AWZZ	J	Lug Wire
274	MSPRP0056AWFW	J	Earth Plate
275	TCAUS0028AWZZ	J	AB Label,Class 3B
276	TLABH0061AWZZ	J	Label,Disc Caution
277	92LLABEL1420A1	J	AC Label,Class 1 [For Taiwan Only]
601	LX-EZ0029AWFN	J	AB Screw,ø2.6×10mm
602	LX-HZ0082AFZZ	J	AA Screw,ø4×8mm
603	LX-JZ0010AFFD	J	AA Screw,ø3×10mm
604	LX-JZ0033AFFH	J	AA Screw,ø3×8mm
605	LX-WZ0014AGFK	J	AA Washer,ø2.6mm
606	XBBSD20P03000	J	AA Screw,ø2×3mm
607	XBBSD23P04J00	J	AC Screw,ø2.3×4mm
608	XBBSD30P04J00	J	AB Screw,ø3×4mm
609	XEBSD26P08000	J	AA Screw,ø2.6×8mm
610	XEBSD30P08000	J	AA Screw,ø3×8mm
611	XEBSD30P10000	J	AA Screw,ø3×10mm
612	XEBNS30P10000	J	AA Screw,ø3×10mm
613	XESSN26P08000	J	AA Screw,ø2.6×8mm
614	XHBSF30P08000	J	AA Screw,ø3×8mm
615	XHBSN30P08000	J	AA Screw,ø3×8mm
616	XJBSD30P06000	J	AA Screw,ø3×6mm
617	XJBSD30P08000	J	AA Screw,ø3×8mm
618	XJBSD30P10000	J	AA Screw,ø3×10mm
620	XJBSD30P25000	J	AB Screw,ø3×25mm
621	XJBFSF30P08000	J	AA Screw,ø3×8mm
622	XJBFSF30P10000	J	AA Screw,ø3×10mm
623	XJBNS30P10000	J	AA Screw,ø3×10mm
624	XJSSD30P06000	J	AA Screw,ø3×6mm
625	XWHSD26-05100	J	AA Washer,ø2.6×10×0.5mm
626	LX-WZ7003AWZZ	J	AB Washer,ø3.2×ø13×1.0mm
627	XWSSN32-07000	J	AB Washer,ø3.2mm
628	XJBSD30P16000	J	AA Screw,ø3×16mm
629	XEBSF30P10000	J	AA Screw,ø3×10mm

ACCESSORIES/PACKING PARTS

△	PSHEZ0123AWZZ	J	AN Battery (Not Replacement Item)
△	QACCA0004AW00	J	AK Wiping Cloth
△	QACCB0008AW00	J	AK AC Power Supply Cord
△	QACCE0007AW00	J	AW AC Power Supply Cord
△	QACCJ0006AW00	J	AH AC Power Supply Cord
△	QACCL0002AW00	J	AK AC Power Supply Cord
△	QANTL0012AWZZ	J	AN AC Power Supply Cord
	QCNWG0027AWZZ	J	AS AM Loop Antenna
	QCNWG0031AWZZ	J	BB System Cord
	QPLGA0004AWZZ	J	Pin Cord
		J	AF AC Plug Adaptor [For Philippines Only]
	RRMCG0257AWSA	J	AY Remote Control
	SPAKA0276AWZZ	J	AL Packing Add.,Left (Main)
	SPAKA0277AWZZ	J	AL Packing Add.,Right (Main)

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
	SPAKA0278AWZZ	J	AH Packing Add.,Left (Amp)
	SPAKA0279AWZZ	J	AH Packing Add.,Right (Amp)
	SPAKC11999AWZZ	J	Packing Case
	SPAKT0024AWZZ	J	AK Inner Packing Case (Main)
	SPAKT0025AWZZ	J	AL Inner Packing Case (Amp)
	SPAKZ0685AWZZ	J	AK Packing Add.,Accessories
	SPAKZ0688AWZZ	J	AD Packing Add.,Front (Amp)
	SPAKZ0689AWZZ	J	AE Packing Add.,Rear (Main)
	SSAKA0007AWZZ	J	AB Polyethylene Bag,Accessories
	SSAKH0046AWZZ	J	AD Polyethylene Bag (Main)
	SSAKH0047AWZZ	J	AC Polyethylene Bag (Amp)
	TCAUA0064AWZZ	J	Sheet,Taiwan Caution [For Taiwan Only]
	TCAUS0056AWZZ	J	Label,Amp Caution [For Singapore]
	TCAUS0059AWZZ	J	Label,Amp Caution [Except for Singapore/Thailand]
	TCAUS0060AWZZ	J	Label,Amp Caution [For Thailand]
	TCAUS0061AWZZ	J	Label,Main System Caution
	TCAUS0062AWZZ	J	Label,Amp System Caution
	TCAUS0063AWZZ	J	Label,Warning (Amp) [For Taiwan Only]
	TCAUZ0092AWZZ	J	Fan Caution
	TGANE0011AW64	J	Warranty Card [For Philippines]
	TGANZ0028AW79	J	Warranty Card [For Taiwan]
	TINSZ0677AWZZ	J	AN Operation Manual
	TLABE0536AWZZ	J	Label,Bar Code
	TLABG0002AWZZ	J	AB Label,Hong Kong [For Hong Kong Only]
	TLABN0162AW01	J	AB Label,VM No. (Amp)
	TLABZ0950AWZZ	J	Label,Carton [For Taiwan Only]
	92LBAG1770A	J	AB Polyethylene Bag,AC Power Supply Cord [For Hong Kong Only]
	92LFANT1535A	J	AF FM Antenna
	92LGCARD1266E1	J	AC Warranty Card [For Australia/New Zealand]
	92LLABL1507B	J	AA Label,Packing Case,MADE IN MALAYSIA
	92LPANEL713A	J	AB Panel,Made in Malaysia [For Kuwait Only]

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~9	92LPWB3671MANS	J	— Main/Jack/CD Switch/MD Switch/ OPEN/CLOSE Switch/Socket/ MD Sensor/LED A/LED B (Combined Ass'y)
PWB-B1~4	92LPWB3671PWRS	J	— Power Trans/Power/Terminal/ Amp LED (Combined Ass'y)
PWB-C	92LPWB3514MDS	J	— MD Main
PWB-D	92LPWB3665AMPS	J	— 1-Bit
PWB-E1,2	QPWBF0554AWZZ	J	AD MD Mechanism Switch/MD Loading Motor (PWB Only)
PWB-F	9HGHBS-501-100	J	— CD Servo (Supplies at Ref No.267-6)

OTHER SERVICE PARTS

	QCNWK0108AFZZ	J	AL Extension Flat Cable (28Pin)
	QCNWK0109AFZZ	J	AH Extension Flat Cable (5Pin)
	QCNWK0129AFZZ	J	AG Extension Connector (2Pin)
	QCNWK0130AFZZ	J	AP Extension Flat Cable (6Pin)
	RRCDT0101AFZZ	J	CB Test Disc,Low Reflection
	RRCDT0103AFZZ	J	BK Head Adjusting Transparend Disc
	RUNTK0532AFZZ	J	BK Extension PWB for Service
	UDSKA0004AFZZ	J	AZ CD Pickup Lens Cleaner Disc
	88GMMD-213AS	J	BT Low Reflection Disc, Pre-Adjustment Mini Disc (TEAC Test MD)
	88GMMD-318	J	BF Low Reflection Disc, Pre-Adjustment Mini Disc (TEAC Test MD)

SD-NX10W

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
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CP-NX10W

SPEAKER BOX PARTS

901	92LBA705A-R	J	BF	Front Panel,Right
902	92LBA705A-L	J	BF	Front Panel,Left
903	92LBX666-R	J	BK	Speaker Box,Right
904	92LBX666-L	J	BK	Speaker Box,Left
905	92LDL1694	J	AH	Duct
906	92LDLAS1688	J	BD	Net Frame Ass'y
907	92LDL1689-R	J	AY	Leg Cabinet,Right
908	92LDL1689-L	J	AY	Leg Cabinet,Left
909	92LDL1690A-R	J	AY	Cover,Right
910	92LDL1690A-L	J	AY	Cover,Left
911	92LDL1691A	J	AZ	Top Cover
912	92LDL1692	J	AR	Spacer,Woofer
913	92LAS510A	J	AL	Sound Absorber
914	92LWS2944	J	AC	Catching Holder
915	92LWS2951	J	AD	Cushion,Leg
916	92LWS2955	J	AG	Cushion
917	92LWS2956	J	AG	Tape,Adhesive Double-Coated
918	92LTP661	J	AK	Terminal,Speaker
919	92LNTAS282A	J	BF	Net Work Ass'y
920	92LSRTD4B12F	J	AB	Screw,ø4×12mm
921	92LSRTF4B16F	J	AC	Screw,ø4×16mm
922	92LSRTF4B40F	J	AC	Screw,ø4×40mm
923	92LNP-Y219W	J		Label,Specifications
924	92LWS2973	J		Tape,Himelon
925	92LWS2973A	J		Tape,Himelon
SP1~4	92LW1050A0N	J	BH	Woofer
SP5,6	92LTW3184A0	J	BK	Tweeter

ACCESSORY/PACKING PARTS

92LFB1590	J	AR	Speaker Cord Set
92LPCE02223APA	J	AY	Packing Add.,Top,Speaker
92LPCE02223APB	J	AY	Packing Add.,Bottom,Speaker
92LPCE0223A-D	J	AG	Pad,Speaker
92LTB695	J	AK	Polyethylene Bag,Speaker

SD-NX10W (MD/CD/TUNER UNIT)

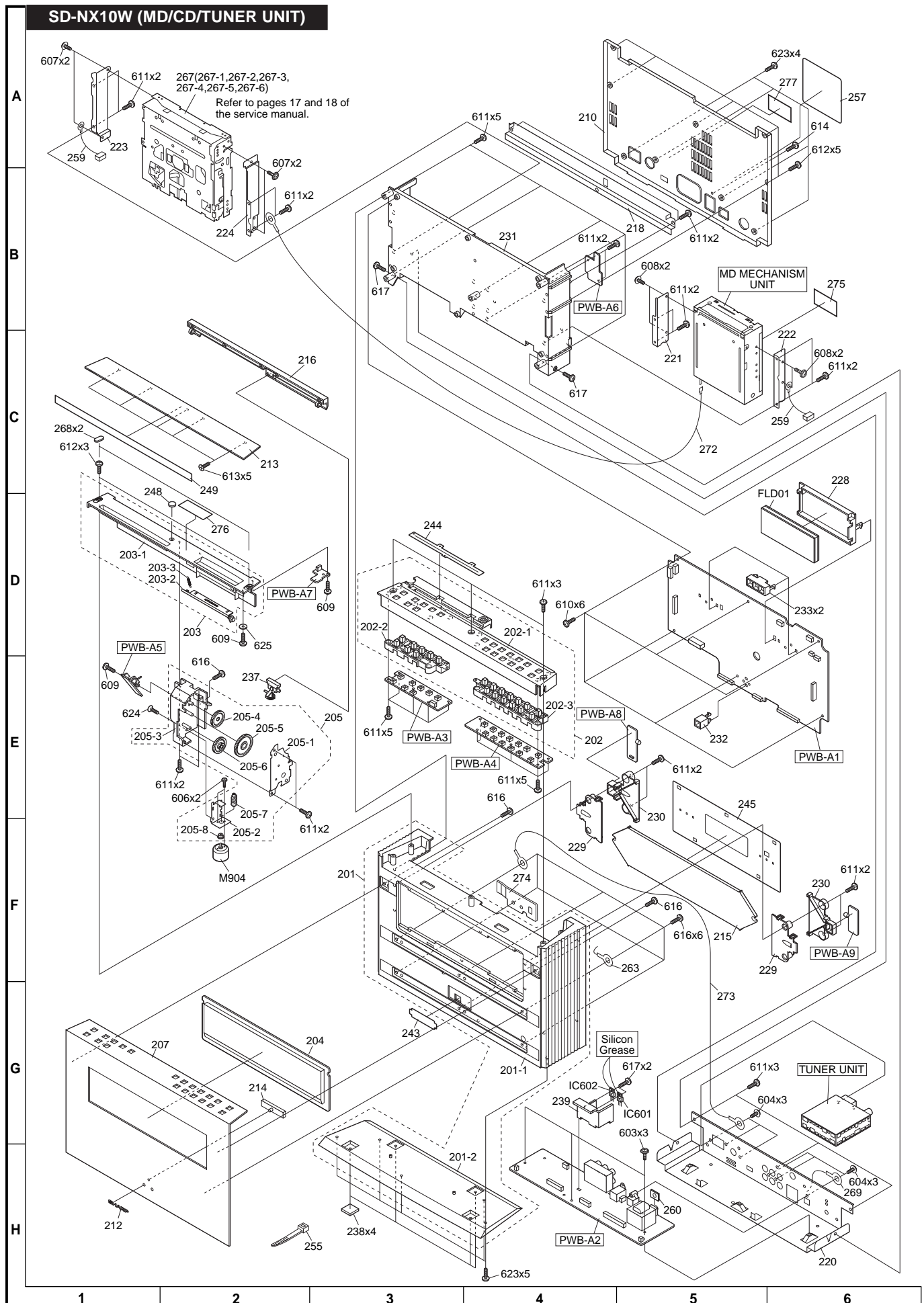


Figure 11 CABINET EXPLODED VIEW (1/2)

SD-NX10W (AMPLIFIER UNIT)

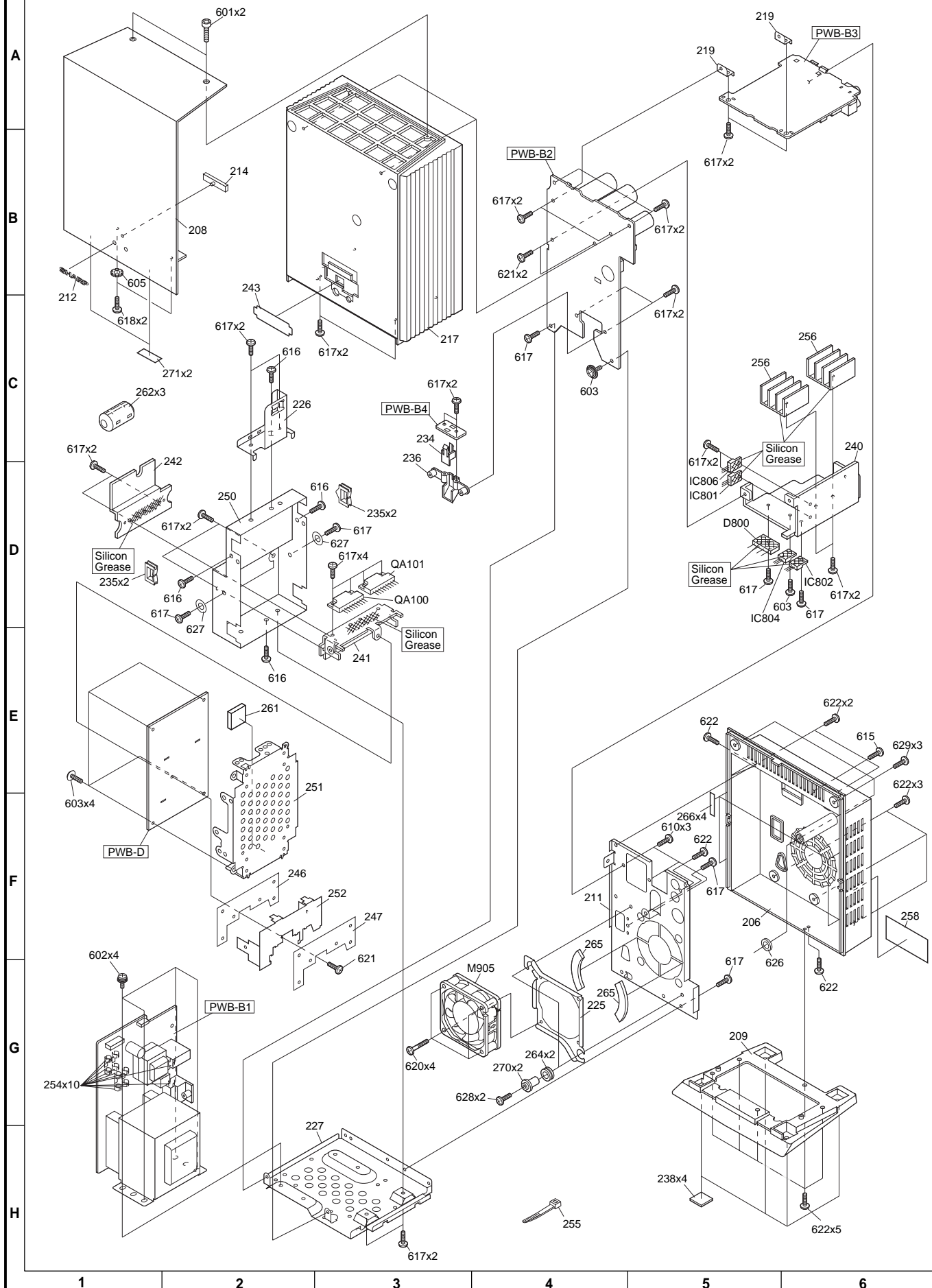


Figure 12 CABINET EXPLODED VIEW (2/2)

SD-NX10W

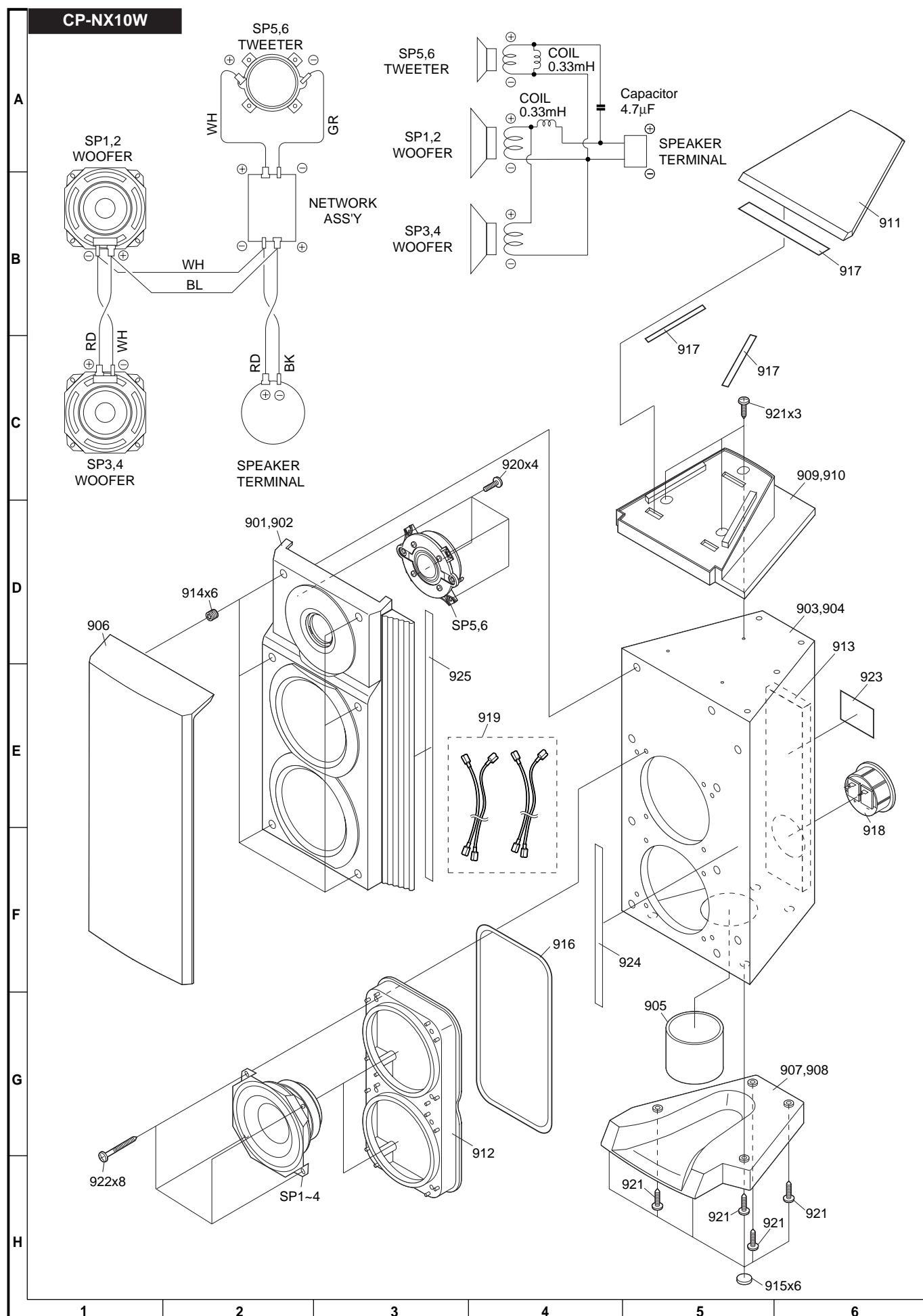


Figure 13 SPEAKER EXPLODED VIEW

— M E M O —

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